

Technical Program for Monday May 11, 2015

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| MA1 | 209 |
| Managerial Issues and Applications (Regular Session) | |
| Chair: Artiba, Abdelhakim | Univ. De Valenciennes |
| Co-Chair: Urbanic, Ruth Jill | Univ. of Windsor |
| 10:30-10:50 | MA1.1 |
| <i>Generalized D-Q Frame PWM Strategy for Three-Phase Electric Machinery</i> , pp. 1-7. | |
| Ibarra, Luis | ITESM-CCM |
| Ponce, Pedro | ITESM-CCM |
| Molina, Arturo | Tecnologico De Monterrey |
| 10:50-11:10 | MA1.2 |
| <i>Threat Evaluation Using Analytic Network Process</i> , pp. 8-13. | |
| Ünver, Seçkin | İstanbul Medeniyet Üniversitesi |
| Gürbüz, Tuncay | Assistant Professor - Galatasaray Univ |
| 11:10-11:30 | MA1.3 |
| <i>Strengthening of Open Innovation Model: Using Startups and Technology Parks</i> , pp. 14-20. | |
| Fabricio, Romulo | Centro Paula Souza / Envision |
| Silva, Fábio | Centro Paula Souza |
| Simões, Eliane | Centro Paula Souza |
| Galegale, Napoleão | Centro Paula Souza |
| Akabane, Getulio | CEETEPS Brazil |
| 11:30-11:50 | MA1.4 |
| <i>Typology of Collaboration Based on the Collaboration Structure</i> , pp. 21-25. | |
| Chen, Xiaoli | Tech. Univ. Chemnitz |
| Mahling, Antonia | Department of Factory Planning and Factory Management, Tech |
| Riedel, Ralph | Chemnitz Univ. of Tech |
| Müller, Egon | Chemnitz Univ. of Tech |
| 11:50-12:10 | MA1.5 |
| <i>Prognostics of PEM Fuel Cells under a Combined Heat and Power Profile</i> , pp. 26-31. | |
| Jouin, Marine | Femto-St / Fclab |
| Gouriveau, Rafael | FEMTO-ST Inst. UMR CNRS 6174 - UFC / ENSMM / UTBM |
| Hissel, Daniel | UFC Femto-ST/FCLab UMR CNRS 6174 |
| Zerhouni, Noureddine | FEMTO-ST Inst. UMR CNRS 6174 - UFC / ENSMM / UTBM |
| Péra, Marie-Cécile | Femto-St / Fclab |
| 12:10-12:30 | MA1.6 |
| <i>The Evolution of Rapid Production: How to Adopt Novel Manufacturing Technology</i> , pp. 32-37. | |
| Muita, Kevin | Carleton Univ |
| Westerlund, Mika | Carleton Univ |
| Rajala, Risto | Aalto Univ |
| MA2 | 210 |
| Digital and Sensing Enterprise (Regular Session) | |
| Chair: Dotoli, Mariagrazia | Pol. Di Bari |
| Co-Chair: Panetto, Hervé | CRAN, Univ. of Lorraine, CNRS |
| 10:30-10:50 | MA2.1 |
| <i>Information Realignment in Pursuit of Self-Sustainable Interoperability at the Digital and Sensing Enterprise (I)</i> , pp. 38-45. | |
| Agostinho, Carlos | UNINOVA |
| Ferreira, Jose | Faculdade De Ciências E Tecnologia, FCT, Univ. Lisb |
| Jardim-Goncalves, Ricardo | UNINOVA - Inst. De Desenvolvimento De Novas Tecnologias |
| 10:50-11:10 | MA2.2 |
| <i>Tools and Techniques for Real-Time Data Acquisition and Analysis in Brain Computer Interface Studies Using Qeeg and Eye Tracking in Virtual Reality Environment</i> , pp. 46-51. | |
| Boukhalfi, Tarik | Inst. Philippe-Pinel De Montréal |
| Joyal, Christian | UQTR |
| Bouchard, Stéphane | UQO |
| Neveu, Sarah Michelle | UQAM |

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| Renaud, Patrice | UQO |
| 11:10-11:30 | MA2.3 |
| <i>On Time Parameterization of a Robot Path</i> , pp. 52-57. | |
| Suleiman, Wael | Univ. De Sherbrooke |
| 11:30-11:50 | MA2.4 |
| <i>Design S3-RF (Sustainable X Smart X Sensing - Reference Framework) for the Future Manufacturing Enterprise (I)</i> , pp. 58-63. | |
| Mauricio-Moreno, Héctor | Tecnológico De Monterrey |
| Miranda, Jhonattan | ITESM |
| Chavarria, Dante | Tecnológico De Monterrey |
| Ramírez-Cadena, Miguel | Tecnológico De Monterrey (ITESM) |
| Molina, Arturo | Tecnologico De Monterrey |
| 11:50-12:10 | MA2.5 |
| <i>Improved Fusion Method for Remote Sensing Imagery Using NSCT and Extend IHS</i> , pp. 64-69. | |
| Huang, Qingqing | Inst. of Remote Sensing and Digital Earth, Chinese Acad. O |
| Zhao, Zhongming | Inst. of Remote Sensing and Digital Earth, Chinese Acad. O |
| Gao, Qiong | Yellow River Conservancy Tech. Inst. Henan, China |
| Meng, Yu | Inst. of Remote Sensing and Digital Earth, Chinese Acad. O |
| Ma, Jianglin | Inst. of Remote Sensing and Digital Earth, CAS |
| Chen, Jingbo | Inst. of Remote Sensing and Digital Earth, Chinese Acad. O |
| MA3 | 211 |
| Design, Balancing and Optimization of Assembly and Disassembly Lines (Invited Session) | |
| Chair: Dolgui, Alexandre | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Co-Chair: Battaïa, Olga | Ec. Des Mines De Saint-Etienne |
| 10:30-10:50 | MA3.1 |
| <i>A Bibliographic Review of Production Line Design and Balancing under Uncertainty (I)</i> , pp. 70-75. | |
| Bentaha, Mohand Lounes | Univ. of Lorraine |
| Dolgui, Alexandre | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Battaïa, Olga | Ec. Des Mines De Saint-Etienne |
| 10:50-11:10 | MA3.2 |
| <i>Coordination of Collection and Disassembly Planning for End-Of-Life Product (I)</i> , pp. 76-80. | |
| Habibi, Muhammad Khoiril Khakim | École Nationale Supérieure Des Mines De Saint-Étienne |
| Battaïa, Olga | Ec. Des Mines De Saint-Etienne |
| Cung, Van-Dat | Univ. Grenoble Alpes |
| Dolgui, Alexandre | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| 11:10-11:30 | MA3.3 |
| <i>Assembly Modelling and Time Estimating During the Early Phase of Assembly Systems Design</i> , pp. 81-87. | |
| Salmi, Anas | Grenoble-INP/UJF-Grenoble 1/CNRS, G-SCOP, UMR5272, Grenoble, Fra |
| 11:30-11:50 | MA3.4 |
| <i>Transient Performance Evaluation of Assembly Systems with Bernoulli Machines</i> , pp. 88-93. | |
| Jia, Zhiyang | Univ. of Connecticut |
| Zhang, Liang | Univ. of Connecticut |
| Arinez, Jorge | General Motors Res. & Development Center |
| Xiao, Guoxian | General Motors Corp |
| 11:50-12:10 | MA3.5 |
| <i>Manufacturing System Configuration: Flexibility Analysis for Automotive Mixed-Model Assembly Lines</i> , pp. 94-99. | |
| Lafou, Meriem | Ens De Cachan |
| Mathieu, Luc | Ens De Cachan |
| Pois, Stephane | RENAULT |
| Alochet, Marc | RENAULT |
| 12:10-12:30 | MA3.6 |
| <i>Haptics Assisted Virtual Assembly</i> , pp. 100-105. | |
| Abidi, Mustufa H. | FARCAMT, Advanced Manufacturing Inst. King Saud Univ |
| Ahmad, Ali | Northwestern State Univ |
| Darmoul, Saber | King Saud Univ. KSU |
| Al-Ahmari, Abdulrahman M. | FARCAMT, Advanced Manufacturing Inst. King Saud Univ |

| MA4 | | 212 |
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| Healthcare Informatics, Supply Chain, and Organizational Transformation (Special Session) | | |
| Chair: Nabelsi, Veronique | Univ. Du Quebec En Outaouais | |
| Co-Chair: El-Kass, Wassim | Univ. of Quebec in Outaouais (UQO) | |
| 10:30-10:50 | MA4.1 | |
| <i>Detecting Constraints in Supply Chain Reengineering Projects: Case Study of Data and Process Integration in a Hospital Pharmacy (I)</i> , pp. 106-111. | | |
| Nabelsi, Veronique | Univ. Du Quebec En Outaouais | |
| Gagnon, Stephane | Univ. Du Quebec En Outaouais | |
| 10:50-11:10 | MA4.2 | |
| <i>A Visual and Results-Driven Rules Composition Approach for Better Information Extraction (I)</i> , pp. 112-117. | | |
| El-Kass, Wassim | Univ. of Quebec in Outaouais (UQO) | |
| Gagnon, Stephane | Univ. Du Quebec En Outaouais | |
| Iglewski, Michal | Univ. Du Québec En Outaouais | |
| 11:10-11:30 | MA4.3 | |
| <i>Mathematical Model for Maximizing Operating Rooms Utilization</i> , pp. 118-123. | | |
| Bouguerra, Afef | Lab. of Industrial Engineering, Production and Maintenance | |
| Sauvey, Christophe | Paul Verlaine Univ. of Metz - France | |
| Sauer, Nathalie | Paul Verlaine Univ. of Metz - France / INRIA Grand Est COS | |
| 11:30-11:50 | MA4.4 | |
| <i>Project Design of Lean and Agile Programs in Healthcare: Requirements Engineering Methods for Patient Learning and Empowerment (I)</i> , pp. 124-124. | | |
| Sullivan, Charlene | Univ. Du Québec En Outaouais (UQO) | |
| Nabelsi, Veronique | Univ. Du Quebec En Outaouais | |
| 11:50-12:10 | MA4.5 | |
| <i>Cadre Formel Pour La Modélisation De La Gestion Des Processus Métier Par Une équipe Medicale Interdisciplinaire (I)</i> , pp. 125-126. | | |
| Kezadri, Mounira | Univ. of Ottawa | |
| Rosu, Daniela | Univ. of Ottawa | |
| Wilk, Szymon | Poznan Univ. of Tech | |
| Kuziemy, Craig | Univ. of Ottawa, Telfer School of Management | |
| Michalowski, Wojtek | Univ. of Ottawa | |
| Amyot, Daniel | Univ. of Ottawa | |
| Carrier, Marc | Ottawa Hospital Res. Inst | |
| 12:10-12:30 | MA4.6 | |
| <i>EBMPICO: A Computer-Assisted Critical Appraisal Tool for Learning and Practicing Evidence-Based Medicine (I)</i> , pp. 127-128. | | |
| Levasseur, Valerie | Univ. Du Quebec En Outaouais | |
| Brousseau, Gilles | McGill Univ | |
| Iglewski, Michal | Univ. Du Québec En Outaouais | |
| Therriault, Guylene | Univ. Du Quebec En Outaouais | |
| 12:10-12:30 | MA4.7 | |
| <i>PICO Extraction: A Hybrid Approach Combining the Robustness of Learning Machine Methods and the Fine Grained Level of Rule Based Methods (I)</i> , pp. 129-132. | | |
| Chabou, Samir | Univ. Du Québec En Outaouais | |
| Iglewski, Michal | Univ. Du Québec En Outaouais | |
| MA5 | | 202 |
| Complex Collaborative Manufacturing Systems (Regular Session) | | |
| Chair: de Vos, Marcel | Canadian Nuclear Safety Commission | |
| Co-Chair: Pawlewski, Pawel | Poznan Univ. of Tech | |
| 10:30-10:50 | MA5.1 | |
| <i>Regulatory Considerations in Long-Lead Items for Nuclear Reactor Facilities</i> , pp. 133-138. | | |
| Mroz, Dariusz | Canadian Nuclear Safety Commission | |
| de Vos, Marcel | Canadian Nuclear Safety Commission | |
| Schwarz, Garry | Canadian Nuclear Safety Commission | |
| Shykinov, Nick | Canadian Nuclear Safety Commission | |
| 10:50-11:10 | MA5.2 | |
| <i>A Predictive Preference Model for Maintenance of a Heating Ventilating and Air Conditioning System</i> , pp. 139-144. | | |

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| Mohammadi Tehrani, Mahdi Beauregard, Yvan Rioux, Michel Kenné, Jean-Pierre Ouellet, Réjean | Mechanical Engineering Department, ETS Univ. De Tech Mechanical Engineering Department, ETS Univ. De Tech Engineering Department of Automated Production, ETS Univ École De Tech. Supérieure Matricris Informatique Inc |
| 11:10-11:30 | MA5.3 |
| <i>Aggregating Probabilistic Models of Complex Multi-State Systems</i> , pp. 145-149. | |
| Danioko, Fadaba Addouche, Sid-Ali Tchoffa, David El Mhamedi, Abderrahman | Univ. De Paris 8 Univ. of Paris8 Univ. Paris 8 Saint-Denis Univ. of Paris8 |
| 11:30-11:50 | MA5.4 |
| <i>Real-Time Stacking System for Dangerous Containers in Seaport Terminals</i> , pp. 150-157. | |
| Rekik, Ines Elkosantini, Sabeur Chabchoub, Habib | 1LOGIQ Res. Unit, Univ. of Sfax SOIE Lab 3International School of Business |
| 11:50-12:10 | MA5.5 |
| <i>Increasing Attractiveness by LCC Facility Management Orientation (I)</i> , pp. 158-163. | |
| Temeljotov Salaj, Alenka Bjørberg, Svein Boge, Knut Larssen, Anne Kathrine | European Faculty of Law NTNU HIOA Multiconsult |
| 12:10-12:30 | MA5.6 |
| <i>A Comparative Analysis between Clustered and Non-Clustered Companies Using Innovation Indicators (I)</i> , pp. 164-169. | |
| Saraceni, Adriana Resende, Luis Mauricio Serpe, Luis Filippe Andrade Júnior, Pedro Paulo | UTFPR Tech. Federal Univ. - Paraná UTFPR UTFPR |
| MA6 | 213 |
| Transportation and Logistics - I (Regular Session) | |
| Chair: Schönberger, Jörn Co-Chair: Awasthi, Anjali | Tech. Univ. Dresden Concordia Univ |
| 10:30-10:50 | MA6.1 |
| <i>An Ontology Based Benchmarking Platform for the Assessment of Public Transportation Control Systems</i> , pp. 170-176. | |
| Ghariani, Nesrine Elkosantini, Sabeur Darmoul, Saber Ben Said, Lamjed | SOIE Lab. Inst. Supérieur De Gestion De Tunis King Saud Univ Coll. of Engineering, King Saud Univ. Riyadh SOIE Lab |
| 10:50-11:10 | MA6.2 |
| <i>The Two-Commodity Capacitated Vehicle Routing Problem with Synchronization (I)</i> , pp. 177-182. | |
| Schönberger, Jörn | Tech. Univ. Dresden |
| 11:10-11:30 | MA6.3 |
| <i>Affectation of Emergency Vehicles in Rescue Centers under Random Demand</i> , pp. 183-188. | |
| Guillaume, Romain Ben Ammar, Oussama Thierry, Caroline Chabriac, Claudie | Irit/Igp Toulouse Univ Irit/utm Toulouse Univ |
| 11:30-11:50 | MA6.4 |
| <i>Modelling the Logistics Response to a General Infectious Disease</i> , pp. 189-195. | |
| Chen, Wanying Guinet, Alain Ruiz, Angel | INSA-Lyon INSA-Lyon Faculté Des Sciences De L'administration, Univ. Laval |
| 11:50-12:10 | MA6.5 |
| <i>Motion Coordination of AGV's in FMS Using Petri Nets</i> , pp. 196-201. | |
| Hernández-Martínez, Eduardo Gamaliel Foyo-Valdés, Sergio | Univ. Iberoamericana Ipn |

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| Puga-Velazquez, Erika | lpn |
| Meda-Campaña, Jesús A. | Inst. Pol. Nacional |
| 12:10-12:30 | MA6.6 |
| <i>A Local Search Approach for the Two-Echelon Multi-Products Location-Routing Problem with Pickup and Delivery</i> , pp. 202-209. | |
| Rahmani, Younes | Lorraine Univ. - LORIA Lab |
| Ramdane Cherif, Wahiba | Ec. DES MINES DE NANCY |
| Oulamara, Ammar | Loria Umr 7503 |

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| MA7 | 214 |
| Environment Monitoring - Remote Sensing Technologies (Special Session) | |
| Chair: Hirose, Thomas | Noetix Res |
| Co-Chair: Brisco, Brian | CCRS |
| 10:30-10:50 | MA7.1 |
| <i>Emergency Flood Mapping with SAR – towards Automation (I)</i> , pp. 210-211. | |
| Brisco, Brian | CCRS |
| 10:50-11:10 | MA7.2 |
| <i>Use of Remote Sensing Data to Specify Land Surface Characteristics in Operational Numerical Weather Prediction Systems (I)</i> , pp. 212-213. | |
| Belair, Stephane | Environment Canada |
| 11:10-11:30 | MA7.3 |
| <i>Toward a Multisensor Expert System for Beach Advisories (I)</i> , pp. 214-219. | |
| Zaremba, Marek B. | Univ. Du Québec (UQO) |
| Hirose, Thomas | Noetix Res |
| 11:30-11:50 | MA7.4 |
| <i>Acquisition Platform Trajectory Generation for Environment Monitoring (I)</i> , pp. 220-221. | |
| Halal, Fadi | UQO |
| Zaremba, Marek B. | Univ. of Quebec |
| 11:50-12:10 | MA7.5 |
| <i>Monitoring of Forest Features Using Multi-Scale Fusion of Remote Sensing Data (I)</i> , pp. 222-223. | |
| Doyon, Frederik | Univ. of Quebec |
| Palenychka, Roman | Univ. of Quebec |
| Zaremba, Marek B. | Univ. of Quebec |
| 12:10-12:30 | MA7.6 |
| <i>Automated Water Quality Monitoring of Lake Winnipeg Using MODIS Imagery (I)</i> , pp. 224-226. | |
| Bennett, John | C-CORE |
| Hirose, Thomas | Noetix Res |
| Kapfer, Mark | C-CORE |
| McCullough, Greg | Univ. of Manitoba |

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| MA8 | 215 |
| Production Economics (I) | |
| Chair: Stecke, Kathryn E. | Univ. of Texas at Dallas |
| Co-Chair: Yalaoui, Farouk | Univ. of Tech. of Troyes |
| 10:30-10:50 | MA8.1 |
| <i>Can Motorways Develop Car Industry ?</i> , pp. 227-231. | |
| Turi, Attila | Pol. Univ. Timisoara |
| Mocan, Marian | Timisoara Univ |
| Ivascu, Larisa | Pol. Univ. Timisoara |
| Goncalves, Gilles | Univ. D'arts et metiers |
| 10:50-11:10 | MA8.2 |
| <i>Engineering Support in the Machine Manufacturing Domain through Interdisciplinary Product Lines: An Applicability Analysis</i> , pp. 232-239. | |
| Feldmann, Stefan | Tech. Univ. München |
| Legat, Christoph | Tech. Univ. München |
| Vogel-Heuser, Birgit | Tech. Univ. of Munich |
| 11:10-11:30 | MA8.3 |
| <i>Bootstrap and Maximum Entropy Based Small-Sample Product Lifetime Probability Distribution</i> , pp. 240-245. | |

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| Suo, Hailong | Xi'an Jiaotong Univ |
| Gao, Zhiyong | Xi'an Jiaotong Univ. of Mechanical Engineering |
| Gao, Jianmin | Xi'an Jiaotong Univ |
| 11:30-11:50 | MA8.4 |
| <i>An Analytical Modeling Framework for Determining the Optimal Table Mix in Restaurants</i> , pp. 246-251. | |
| Roy, Debjit | Indian Inst. of Management Ahmedabad |
| Raman, Arun | Indian Inst. of Management Ahmedabad |
| 11:50-12:10 | MA8.5 |
| <i>Economical Manufacturing from Optimal Control Perspective: Simplification, Methods and Analysis</i> , pp. 252-258. | |
| Wang, Yebin | Mitsubishi Electric Res. Lab |
| Wu, Jing | Shanghai Jiao Tong Univ |
| Long, Chengnian | Shanghai Jiao Tong Univ |
| Zhou, Meng Chu | New Jersey Inst. of Tech |
| 12:10-12:30 | MA8.6 |
| <i>Joint Inventory and Pricing Decisions</i> , pp. 259-262. | |
| Wilson, John | Ivey School-Western Univ |
| MB1 | 209 |
| Inventory Control, Replenishment and Lot-Sizing under Demand, Yield or Lead Time Uncertainties (Invited Session) | |
| Chair: Dolgui, Alexandre | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Co-Chair: Abbou, Rosa | IRRCyN - Univ. IUT De Nantes |
| 14:00-14:20 | MB1.1 |
| <i>Material Requirement Planning under Fuzzy Lead Times (I)</i> , pp. 263-268. | |
| Díaz-Madroño, Manuel | Univ. Pol. De València |
| Mula, Josefa | Univ. Pol. De València |
| Jimenez, Mariano | Univ. Del País Vasco |
| 14:20-14:40 | MB1.2 |
| <i>An Evaluative Continuous Time Markov Chain Model for a Three Echelon Supply Chain with Stochastic Demand and Lead Time (I)</i> , pp. 269-274. | |
| Razmi, Jafar | Univ. of Tehran |
| Taheri Moghadam, Alireza | Univ. of Tehran |
| Jolai, Fariborz | Univ. of Tehran |
| 14:40-15:00 | MB1.3 |
| <i>Supply Planning for Multi-Levels Assembly System under Random Lead Times (I)</i> , pp. 275-280. | |
| Ben Ammar, Oussama | Toulouse Univ |
| Marian, Hélène | École Nationale Supérieure Des Mines De Saint Étienne |
| Dolgui, Alexandre | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| 15:00-15:20 | MB1.4 |
| <i>Inventory Management Framework to Minimize Supply and Demand Mismatch (I)</i> , pp. 281-286. | |
| Matsebattela, Molebogeng Germinah | Tshwane Univ. of Tech |
| Mpofu, Khumbulani | Tshwane Univ. of Tech |
| 15:20-15:40 | MB1.5 |
| <i>Effects of Inventory Control on Bullwhip in Logistic Systems under Demand and Lead Time Uncertainties (I)</i> , pp. 287-292. | |
| Abbou, Rosa | IRRCyN - Univ. IUT De Nantes |
| Moussaoui, Charifa | Lab. D'informatique, De Modélisation Et D'optimisation De |
| Loiseau, Jean Jacques | Inst. De Recherche En Communication Et En Cybernétique De Nantes |
| 15:40-16:00 | MB1.6 |
| <i>Two Formulations for Non-Interference Parallel Machine Scheduling Problems</i> , pp. 293-297. | |
| Naves Maschietto, Gabriela | Univ. Federal De Minas Gerais |
| Ouazene, Yassine | Univ. De Tech. De Troyes |
| Yalaoui, Farouk | Univ. of Tech. of Troyes |
| de Souza, Mauricio C. | Federal Univ. of Minas Gerais |
| Ravetti, Martin G. | Univ. Federal De Minas Gerais |
| MB2 | 210 |
| Industry 4.0: Networking, Interoperability and Application Scenarios (I4.0) () | |

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| Chair: Whitman, Lawrence | Wichita State Univ |
| Co-Chair: Fortineau, Virginie | Arts Et Métiers Paristech |
| 14:00-14:20 | MB2.1 |
| <i>Modelling Knowledge about Data Analysis Processes in Manufacturing (I)</i> , pp. 298-303. | |
| Neuböck, Thomas | Solvistas GmbH |
| Schrefl, Michael | Johannes Kepler Univ. Linz |
| 14:20-14:40 | MB2.2 |
| <i>Towards a Framework for Integration of Requirements Engineering in PLM (I)</i> , pp. 304-308. | |
| Corniere, Alberic | Arts Et Métiers Paristech |
| Fortineau, Virginie | Arts Et Métiers Paristech |
| Paviot, Thomas | Arts Et Métiers Paristech |
| Lamouri, Samir | Arts Et Métiers ParisTech |
| 14:40-15:00 | MB2.3 |
| <i>Towards a Cloud Manufacturing Systems Modeling Methodology (I)</i> , pp. 309-314. | |
| Talhi, Asma | Arts Et Métiers Paristech |
| Fortineau, Virginie | Arts Et Métiers Paristech |
| Lamouri, Samir | Arts Et Métiers ParisTech |
| Huet, Jean-Charles | Univ. Paris Seine, Ec |
| 15:00-15:20 | MB2.4 |
| <i>Towards an Architecture for Human-Aware Modeling and Execution of Production Processes (I)</i> , pp. 315-320. | |
| Neubauer, Matthias | Johannes Kepler Univ. Linz |
| Krenn, Florian | Johannes Kepler Univ. Linz, Department of Business Informat |
| Majoe, Dennis | MA Systems & Control Limited |
| 15:20-15:40 | MB2.5 |
| <i>A Reference Lexicon Definition from Fact Models (I)</i> , pp. 321-328. | |
| Andrade, Pedro | Uninova, Cts |
| Sarraipa, João | UNINOVA - Inst. De Desenvolvimento De Novas Tecnologias |
| Jardim-Goncalves, Ricardo | UNINOVA - Inst. De Desenvolvimento De Novas Tecnologias |
| 15:40-16:00 | MB2.6 |
| <i>Serving the Data Needs of Multiple Applications with One Data Source—an Industry Application Case Study</i> , pp. 329-334. | |
| Azolibe, Ifeanyi | Univ. of Glasgow |
| MB3 | 211 |
| Human Factors in Industrial and Logistic System Design - I (Invited Session) | |
| Chair: Sgarbossa, Fabio | Univ. of Padua |
| Co-Chair: Battini, Daria | Univ. of Padua |
| 14:00-14:20 | MB3.1 |
| <i>Calculation of the Throughput-Time in Simple Assembly Lines with Learning Effect (I)</i> , pp. 335-340. | |
| Koltai, Tamas | Budapest Univ. of Tech. and Ec |
| Kalló, Noémi | Budapest Univ. of Tech. and Ec |
| Györkös, Rita | Budapest Univ. of Tech. and Ec |
| 14:20-14:40 | MB3.2 |
| <i>Human Factors in Order Picking System Design: A Content Analysis (I)</i> , pp. 341-346. | |
| Grosse, Eric | Tech. Univ. Darmstadt |
| Glock, Christoph | Tech. Univ. Darmstadt |
| Neumann, W. Patrick | Human Factors Engineering Lab, Department of Mechanical and Indu |
| 14:40-15:00 | MB3.3 |
| <i>Ergo-Lot-Sizing: Considering Ergonomics in Lot-Sizing Decisions (I)</i> , pp. 347-352. | |
| Battini, Daria | Univ. of Padua |
| Glock, Christoph | Tech. Univ. Darmstadt |
| Grosse, Eric | Tech. Univ. Darmstadt |
| Persona, Alessandro | Univ. of Padua |
| Sgarbossa, Fabio | Univ. of Padua |
| 15:00-15:20 | MB3.4 |
| <i>An HRA-Based Simulation Model for the Optimization of the Rest Breaks Configurations in Human-Intensive Working Activities (I)</i> , pp. 353-358. | |

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| Di Pasquale, Valentina | Univ. of Salerno |
| Miranda, Salvatore | Univ. of Salerno |
| Iannone, Raffaele | Univ. of Salerno |
| Riemma, Stefano | Univ. of Salerno |
| 15:20-15:40 | MB3.5 |
| <i>Modeling Errors in Kitting Processes for Assembly Lines Feeding (I)</i> , pp. 359-365. | |
| Caputo, Antonio Casimiro | Univ. of Roma Tre |
| Pelagagge, Pacifico Marcello | Univ. of L'Aquila |
| Salini, Paolo | Univ. of L'Aquila |
| 15:40-16:00 | MB3.6 |
| <i>Linking Human Availability and Ergonomics Parameters in Order-Picking Systems (I)</i> , pp. 366-371. | |
| Battini, Daria | Univ. of Padua |
| Calzavara, Martina | Univ. of Padua |
| Persona, Alessandro | Univ. of Padua |
| Sgarbossa, Fabio | Univ. of Padua |
| MB4 | 212 |
| Sustainable Logistics and Closed Loop Supply Chain (Invited Session) | |
| Chair: Amodeo, Lionel | UTT |
| Co-Chair: Chaabane, Amin | École De Tech. Supérieure |
| 14:00-14:20 | MB4.1 |
| <i>Impact of the Lifespan of Building External Walls on Depletion of Natural Resources (I)</i> , pp. 372-377. | |
| Mequignon, Marc | LERASS-ERPUR IUT-GEAR Univ. Paul Sabatier Toulouse |
| Ait Haddou, Hassan | LIFAM Lab. Innovation Formes Architectures Milieux, EN |
| 14:20-14:40 | MB4.2 |
| <i>Multi-Dimensional Reverse Channel Decision under Different Collection Strategies (I)</i> , pp. 378-382. | |
| Huang, Min | Huazhong Univ. of Science and Tech |
| Yi, Pengxing | Huazhong Univ. of Science and Tech |
| Guo, Lijun | Huazhong Univ. of Science and Tech |
| Shi, Tielin | Huazhong Univ. of Science and Tech |
| 14:40-15:00 | MB4.3 |
| <i>Tactical Planning Model for Procurement and Manufacturing Decisions under Environmental Regulations (I)</i> , pp. 383-388. | |
| Trochu, Julien | École De Tech. Supérieure |
| Chaabane, Amin | École De Tech. Supérieure |
| Ouhimmou, Mustapha | École De Tech. Supérieure |
| 15:00-15:20 | MB4.4 |
| <i>Robust Formulation for Optimizing Sustainable Ship Routing and Scheduling Problem</i> , pp. 389-394. | |
| De, Arijit | IIT Kgp |
| Awasthi, Anjali | Concordia Univ |
| Tiwari, Manoj K | Indian Inst. of Tech. Kharagpur |
| 15:20-15:40 | MB4.5 |
| <i>Review of Green Supply Chain Processes</i> , pp. 395-402. | |
| Kumar, Niraj | Univ. of Sheffield |
| Agrahari, Ravi Prakash | IIM Ahmedabad |
| Roy, Debjit | Indian Inst. of Management Ahmedabad |
| 15:40-16:00 | MB4.6 |
| <i>Challenges in the Design of Green Supply Chain Network (I)</i> , pp. 403-406. | |
| Elbounjimi, Mbarek | UQTR |
| MB5 | 202 |
| New Technologies in Manufacturing Systems (Regular Session) | |
| Chair: Morel, Gerard | Univ. De Lorraine |
| Co-Chair: Chetouane, Fatah | Faculty of Engineering |
| 14:00-14:20 | MB5.1 |
| <i>An Overview on RFID Technology Instruction and Application</i> , pp. 407-412. | |
| Chetouane, Fatah | Faculty of Engineering |

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| 14:20-14:40 | | MB5.2 |
| <i>Implementing a WebAPP-Based Software Framework for Manufacturing Execution Systems</i> , pp. 413-418. | | |
| Jiang, Pingyu | | Xi'an Jiaotong Univ |
| Zhang, Chaoyang | | Xi'an Jiaotong Univ |
| Leng, Jiewu | | Xi'an Jiaotong Univ |
| Zhang, Jinwei | | Xi'an Jiaotong Univ |
| 14:40-15:00 | | MB5.3 |
| <i>A Survey on Advanced Control Approaches in Factory Automation</i> , pp. 419-424. | | |
| Dotoli, Mariagrazia | | Pol. Di Bari |
| Fay, Alexander | | Helmut Schmidt Univ |
| Miskowicz, Marek | | Univ. of Science and Tech |
| Seatzu, Carla | | Univ. of Cagliari |
| 15:00-15:20 | | MB5.4 |
| <i>A Novel Distance Measurement Approach Using Shape Matching in Narrow-Band Ultrasonic System</i> , pp. 425-430. | | |
| Mirshahi, Shiva | | Pol. Univ. of Catalonia |
| Mas, Orestes | | Pol. Univ. of Catalonia |
| 15:20-15:40 | | MB5.5 |
| <i>RFID Network Planning for Wireless Manufacturing Considering the Detection Uncertainty</i> , pp. 431-436. | | |
| Tang, Lin | | Tsinghua Univ |
| Cao, Hui | | Tsinghua Univ |
| Zheng, Li | | Tsinghua Univ |
| Huang, Ningjian | | General Motors Corp |
| 15:40-16:00 | | MB5.6 |
| <i>Rapid Prototyping for Assembly Training and Validation</i> , pp. 437-442. | | |
| Ahmad, Ali | | Northwestern State Univ |
| Darmoul, Saber | | King Saud Univ. KSU |
| Ameen, Wadea | | FARCAMT, Advanced Manufacturing Inst. King Saud Univ |
| Abidi, Mustafa H. | | FARCAMT, Advanced Manufacturing Inst. King Saud Univ |
| Al-Ahmari, Abdulrahman M. | | FARCAMT, Advanced Manufacturing Inst. King Saud Univ |
| MB6 | | 213 |
| Transportation and Logistics - II (Regular Session) | | |
| Chair: De Koster, René B.M. | | Erasmus Univ. Rotterdam |
| Co-Chair: Tchernev, Nikolay | | Auvergne Univ. IUP |
| 14:00-14:20 | | MB6.1 |
| <i>Simulating New Logistics System of Le Havre Port</i> , pp. 443-448. | | |
| Leriche, David | | IRSEEM |
| Oudani, Mustapha | | LMAH Lab |
| Cabani, Adnane | | IRSEEM |
| Hoblos, Ghaleb | | IRSEEM/ESIGELEC |
| Mouzna, Joseph | | IRSEEM |
| Boukachour, Jaouad | | LMAH Lab |
| El Hilali Alaoui, Ahmed | | Modeling and Scientific Computing Lab |
| 14:20-14:40 | | MB6.2 |
| <i>Development of a Framework of a Transportation Management System Benchmark Analysis Applied on an European Airline Company</i> , pp. 449-454. | | |
| Le, Hong Anh | | Univ. De Paris 8 - IUT De Montreuil |
| Hamani, Nadia | | Univ. De Picardie Jules Verne |
| Kermad, Lyes | | Univ. De Paris 8 - IUT De Montreuil |
| Dafaoui, El Mouloudi | | MGSI Univ. Paris 8 |
| El Mhamedi, Abderrahman | | Univ. of Paris8 |
| 14:40-15:00 | | MB6.3 |
| <i>Incremental Timetable Generation in Busy and Complex Railway Stations: Sliding-Window Algorithm with Cancellation Processing</i> , pp. 455-460. | | |
| Bai, Lijie | | Ec. Centrale De Lille |
| Bourdeaud'huy, Thomas | | LAGIS - Ec. Centrale De Lille |
| Castelain, Emmanuel | | Ec. Lille |
| Rabenasolo, Besoa | | LM20 - Ec. Centrale De Lille |

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| 15:00-15:20 | | MB6.4 |
| <i>Sustainability Assessment of Resource Sharing in Intermodal Freight Transport with Agent-Based Simulation</i> , pp. 461-466. | | |
| Furtado, Pedro | | Ec. Pol. Montreal |
| Frayret, Jean-Marc | | École Pol. De Montréal |
| 15:20-15:40 | | MB6.5 |
| <i>Challenges in Spatial-Temporal Data Analysis Targeting Public Transport</i> , pp. 467-472. | | |
| Ghaemi, Mohammad Sajjad | | Pol. De Montreal |
| Agard, Bruno | | Pol. De Montreal |
| Partovi Nia, Vahid | | Pol. De Montreal |
| Trepanier, Martin | | Ec. Pol |
| 15:40-16:00 | | MB6.6 |
| <i>A Column Generation Based Heuristic for the Capacitated Vehicle Routing Problem with Three-Dimensional Loading Constraints</i> , pp. 473-478. | | |
| Mahvash, Batoul | | Concordia Univ |
| Awasthi, Anjali | | Concordia Univ |
| Chauhan, Satyaveer | | Concordia Univ |
| MB7 | | 214 |
| Quality, Reliability, and Maintenance (Regular Session) | | |
| Chair: Venkatadri, Uday | | Dalhousie Univ |
| Co-Chair: Dahane, Mohammed | | ENIM |
| 14:00-14:20 | | MB7.1 |
| <i>A Prognostics and Health Management Based Method for Refurbishment Decision Making for Electromechanical Systems (I)</i> , pp. 479-484. | | |
| Wang, Kai | Shenyang Inst. of Automation, Chinese Acad. of Sciences | |
| Tian, Jing | | Univ. of Maryland |
| Pecht, Michael | Center for Advanced Life Cycle Engineering (CALCE), Univ. O | |
| Xu, Aidong | | Shenyang Inst. of Automation |
| 14:20-14:40 | | MB7.2 |
| <i>Quality, Reliability, Maintenance Issues in Closed-Loop Supply Chains: A Review (I)</i> , pp. 485-490. | | |
| Bhaktavatchalam, Sriram | | Dalhousie Univ |
| Diallo, Claver | | Dalhousie Univ |
| Venkatadri, Uday | | Dalhousie Univ |
| Khatab, Abdelhakim | Ec. Nationale D'ingénieurs De Metz (ENIM) | |
| 14:40-15:00 | | MB7.3 |
| <i>Online Multivariate Time Series Prediction of Icing on the Overhead Power Lines Based on Support Vector Regression (I)</i> , pp. 491-493. | | |
| Li, Jingjie | | Yunnan Univ |
| Li, Peng | | Yunnan Univ |
| 15:00-15:20 | | MB7.4 |
| <i>Effectiveness of Maintenance Approaches for High Reliability Organizations (I)</i> , pp. 494-499. | | |
| Andriulo, Serena | | Univ. of Salento |
| Arleo, Maria Antonietta | | Univ. of Florence |
| De Carlo, Filippo | | Univ. of Florence |
| Gnoni, Maria Grazia | | Univ. of Salento |
| Tucci, Mario | | Florence Univ |
| 15:20-15:40 | | MB7.5 |
| <i>Reliability Estimation of a Production System Subject to Condition Monitoring with Two Modes of Failures</i> , pp. 500-505. | | |
| Khaleghei, Akram | | Univ. of Toronto |
| Makis, Viliam | | Univ. of Toronto |
| 15:40-16:00 | | MB7.6 |
| <i>Production Planning and Opportunistic Preventive Maintenance for Unreliable One-Machine Two-Products Manufacturing Systems</i> , pp. 506-511. | | |
| Assid, Morad | | École De Tech. Supérieure |
| Gharbi, Ali | | École De Tech. Supérieure |
| Hajji, Adnene | | Univ. Laval FSA |

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| MB8 | 215 |
| Cutting and Packing Processes (Invited Session) | |
| Chair: Martins, Thiago de Castro | Univ. of Sao Paulo |
| Co-Chair: Gomes, A. Miguel | INESC-TEC, Faculdade De Engenharia Da Univ. Do Porto |
| 14:00-14:20 | MB8.1 |
| <i>Multiresolution Based Overlap Minimization Algorithm for Irregular Packing Problems (I)</i> , pp. 512-517. | |
| Sato, Andre Kubagawa | Escola Pol. Da Univ. De Sao Paulo |
| Tsuzuki, Marcos de Sales Guerra | Univ. of Sao Paulo |
| Martins, Thiago de Castro | Univ. of Sao Paulo |
| Gomes, A. Miguel | INESC-TEC, Faculdade De Engenharia Da Univ. Do Porto |
| 14:20-14:40 | MB8.2 |
| <i>A Layer-Building Algorithm for the Three-Dimensional Multiple Bin Packing Problem: A Case Study in an Automotive Company (I)</i> , pp. 518-523. | |
| Saraiva, Rommel | Univ. of Fortaleza |
| Nepomuceno, Napoleão | Univ. De Fortaleza |
| Pinheiro, Placido | Univ. of Fortaleza |
| 14:40-15:00 | MB8.3 |
| <i>A Hybrid Biased Random Key Genetic Algorithm for a Production and Cutting Problem (I)</i> , pp. 524-528. | |
| Gonçalves, José Fernando | Univ. Do Porto, Faculdade De Ec |
| 15:00-15:20 | MB8.4 |
| <i>Two-Phase Approach to the Nesting Problem with Continuous Rotations (I)</i> , pp. 529-534. | |
| Rocha, Pedro | INESC-TEC, Faculdade De Engenharia Da Univ. Do Porto |
| Rodrigues, Rui | INESC-TEC, Faculdade De Engenharia Da Univ. Do Porto |
| Gomes, A. Miguel | INESC-TEC, Faculdade De Engenharia Da Univ. Do Porto |
| Toledo, Franklina M.B. | Inst. De Ciências Matemáticas E De Computação, Univ |
| Andretta, Marina | Inst. De Ciências Matemáticas E De Computação |
| 15:20-15:40 | MB8.5 |
| <i>Safety-Level Aware Bin-Packing Approach for Control Functions Assignment</i> , pp. 535-540. | |
| Benazouz, Mohamed | ENS-CACHAN |
| Faure, Jean-Marc | ENS Cachan |
| MC1 | 209 |
| Operations Risk Analytics and Pricing (Special Session) | |
| Chair: Mitchell, Brian | Szent Istvan Univ |
| Co-Chair: Fekete Farkas, Maria | Szent Istvan Univ |
| 17:15-17:35 | MC1.1 |
| <i>A Price-Setting Newsvendor Model under Capital Constraint (I)</i> , pp. 541-544. | |
| Baofeng, Zhang | Univ. of Science and Tech. of China |
| Desheng, Wu | Univ. of Toronto |
| Liang, Liang | Univ. of Science and Tech. of China |
| Zhao, Fuguo | Univ. of Science and Tech. of China |
| 17:35-17:55 | MC1.2 |
| <i>An Insurance Model for the Protection of Corporations against the Bankruptcy of Suppliers by Using the Black-Scholes-Merton Model (I)</i> , pp. 545-552. | |
| Valverde, Raul | Concordia Univ |
| 17:55-18:15 | MC1.3 |
| <i>Risk Profiles of Emerging and Established Value Chains in Dynamic Markets</i> , pp. 553-560. | |
| Mitchell, Brian | Szent Istvan Univ |
| Koplyay, Tamas | Univ. Du Québec En Outaouais |
| Fekete Farkas, Maria | Szent Istvan Univ |
| Cohn, Sorin | Canadian Advanced Tech. Alliance |
| 18:15-18:35 | MC1.4 |
| <i>Advanced Monte Carlo Method for Model Uncertainty Propagation in Risk Assessment</i> , pp. 561-566. | |
| El Safadi, EL Abed | Lab. Grenoble-Sciences Pour La Conception, L'optimisation |
| Adrot, Olivier | Inpg - Ujf - Cnrs |
| Flaus, Jean-Marie | Grenoble-INP |
| 18:35-18:55 | MC1.5 |

An Integrated Management Approach of the Project and Project Risks, pp. 567-572.

| | |
|----------------|---------------------|
| Rodney, Elodie | Univ. Bordeaux, I2M |
| Ducq, Yves | Bordeaux Univ |
| Breysse, Denys | Univ. Bordeaux, I2M |
| Ledoux, Yann | Univ. Bordeaux, I2M |

18:55-19:15 MC1.6

Identifying Key Factors for an Occupational Health and Safety Risk Estimation Tool in Small and Medium-Size Enterprises, pp. 573-578.

| | |
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| Nyirenda, Vwila | Ec. Pol. De Montreal |
| Chinniah, Yuvin | IRRSST |
| Agard, Bruno | Pol. De Montreal |

MC2 210

Towards Industry 4.0 Next Step in Realizing Cyber-Physical Production Systems (Invited Session)

| | |
|--------------------------------|--|
| Chair: Bettenhausen, Kurt Dirk | Siemens Corp |
| Co-Chair: Zuehlke, Detlef | German Res. Center for Artificial Intelligence |

17:15-17:35 MC2.1

An Event-Driven Manufacturing Information System Architecture (I), pp. 579-586.

| | |
|----------------------|-------------------------|
| Theorin, Alfred | Lund Univ |
| Bengtsson, Kristofer | Sekvensa AB |
| Provost, Julien | Tech. Univ. Muenchen |
| Lieder, Michael | KTH Royal Inst. of Tech |
| Johnsson, Charlotta | Lund Univ |
| Lundholm, Thomas | KTH Royal Inst. of Tech |
| Lennartson, Bengt | Chalmers Univ. of Tech |

17:35-17:55 MC2.2

Managing Innovative Production Network of Smart Factories (I), pp. 587-592.

| | |
|-------------|---|
| Veza, Ivica | Univ. of Split, Faculty of Electrical Engineering, Mechanic |
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17:55-18:15 MC2.3

Dynamic Reconfiguration of Intelligent Field Devices by Using Modular Software Applications (I), pp. 593-598.

| | |
|------------------|--|
| Schmitt, Mathias | German Res. Center for Artificial Intelligence |
| Orfgen, Marius | German Res. Center for Artificial Intelligence |
| Zuehlke, Detlef | German Res. Center for Artificial Intelligence |

18:15-18:35 MC2.4

About the Importance of Autonomy and Digital Twins for the Future of Manufacturing (I), pp. 599-604.

| | |
|-------------------------|--------------|
| Rosen, Roland | Siemens AG |
| von Wichert, Georg | Siemens AG |
| Lo, George | Siemens Corp |
| Bettenhausen, Kurt Dirk | Siemens Corp |

18:35-18:55 MC2.5

Modeling Domain Knowledge Using Inference Ontologies: An Application to Business Rules Management (I), pp. 605-610.

| | |
|---------------------|---------------------------|
| Fortineau, Virginie | Arts Et Métiers Paristech |
| Corniere, Alberic | Arts Et Métiers Paristech |
| Paviot, Thomas | Arts Et Métiers Paristech |
| Lamouri, Samir | Arts Et Métiers ParisTech |

18:55-19:15 MC2.6

Towards Industry 4.0 - Standardization As the Crucial Challenge for Highly Modular, Multi-Vendor Production Systems (I), pp. 611-616.

| | |
|------------------|---|
| Weyer, Stephan | German Res. Center for Artificial Intelligence |
| Schmitt, Mathias | German Res. Center for Artificial Intelligence |
| Ohmer, Moritz | German Res. Center for Artificial Intelligence |
| Gorecky, Dominic | German Res. Center for Artificial Intelligence (DFKI) |

MC3 211

Human Factors in Industrial and Logistic System Design - II (Invited Session)

| | |
|----------------------------|----------------|
| Chair: Battini, Daria | Univ. of Padua |
| Co-Chair: Sgarbossa, Fabio | Univ. of Padua |

17:15-17:35 MC3.1

Making the Right Pick: Aligning Order Picking Methods, Incentive Systems and Regulatory Focus to Increase Picking Performance (I), pp. 617-617.

De Koster, René B.M.

Erasmus Univ. Rotterdam

17:35-17:55

MC3.2

Assembly Line Balancing with Ergonomics Paradigms: Two Alternative Methods (I), pp. 618-623.

Battini, Daria

Univ. of Padua

Sgarbossa, Fabio

Univ. of Padua

Delorme, Xavier

Ec. Nationale Supérieure Des Mines De Saint-Etienne

Dolgui, Alexandre

Ec. Nationale Supérieure Des Mines De Saint-Etienne

17:55-18:15

MC3.3

Modeling and Simulation of Human Reaction in a Multidimensional Social Network (I), pp. 624-629.

Bouanan, Youssef

IMS

Ribault, Judicael

IMS

Forestier, Mathilde

IMS

Zacharewicz, Gregory

Lab. IMS-LAPS UMR CNRS 5218

Vallespir, Bruno

Univ. of Bordeaux

18:15-18:35

MC3.4

Improving Ergonomics in the Meat Industry: A Case Study of an Italian Ham Processing Company (I), pp. 630-635.

Botti, Lucia

Univ. of Padova

Mora, Cristina

Univ. of Bologna

Regattieri, Alberto

Univ. of Bologna

18:35-18:55

MC3.5

Modelling Workforce Aging in Job Rotation Problems (I), pp. 636-641.

Romano, V.A.

Pol. of Bari

Mummolo, Giovanni

Pol. of Bari

Mossa, Giorgio

Pol. of Bari

Boenzi, Francesco

Pol. Di Bari

Digiesi, Salvatore

Pol. of Bari

18:55-19:15

MC3.6

Modelling Human Behaviour in Newsvendor Game (I), pp. 642-647.

D'Urso, Diego

Univ. of Catania

Chiacchio, Ferdinando

Univ. Degli Studi Di Catania

Di Mauro, Carmela

Univ. Degli Studi Di Catania

Compagno, Lucio

Univ. Degli Studi Di Catania

MC4

212

Supply Chain and Decision Making (Regular Session)

Chair: Gaudreault, Jonathan

Univ. Laval

Co-Chair: Thomas, André

Nancy Univ

17:15-17:35

MC4.1

Modelling Hierarchical Planning Process Using a Simulation-Optimization System to Anticipate the Long-Term Impact of Operational Level Silvicultural Flexibility (I), pp. 648-653.

Gautam, Shuva

Univ. Laval

LeBel, Luc

Univ. Laval

Beaudoin, Daniel

Univ. Laval

Simard, Martin

FORAC, Univ. Laval

17:35-17:55

MC4.2

A Simulation Framework for the Evaluation of Production Planning and Order Management Strategies in the Sawmilling Industry (I), pp. 654-659.

Dumetz, Ludwig

FORAC/CIRRELT/Univ. Laval

Gaudreault, Jonathan

Univ. Laval

Thomas, André

Nancy Univ

Marier, Philippe

FORAC, Univ. Laval

Lehoux, Nadia

Univ. Laval

El Haouzi, Bril, Hind

Nancy Univ

17:55-18:15

MC4.3

Decision Support System for Selection of Harvest Areas and Wood Allocation to Mills (I), pp. 660-665.

Ouhimmou, Mustapha

École De Tech. Supérieure

| | |
|--|---|
| Boukherroub, Tassedda Haddad_1, Samir | Lab. Décision Et Information Pour Les Systèmes De Product FPInnovations2 |
| 18:15-18:35 | MC4.4 |
| <i>A Technique for Supply Chain Network Design under Uncertainty Using Cross-Efficiency Fuzzy Data Envelopment Analysis</i> , pp. 666-671. | |
| Dotoli, Mariagrazia | Pol. Di Bari |
| Epicoco, Nicola | Pol. Di Bari |
| Falagario, Marco | Pol. Di Bari |
| 18:35-18:55 | MC4.5 |
| <i>Application of an Agent-Based Supply Chain to Mitigate Supply Chain Disruptions</i> , pp. 672-677. | |
| Blos, Mauricio F. | Pol. School of the Univ. of São Paulo |
| Silva, Robson Marinho da | Univ. Estadual De Santa Cruz (UESC) |
| Miyagi, Paulo Eigi | Univ. of Sao Paulo, Escola Pol |
| 18:55-19:15 | MC4.6 |
| <i>The Snake Which Bites Its Own Tail... or the Vicious Circle of the Vulnerable Supply Chain Which Does Not Manage Its Knowledge</i> , pp. 678-683. | |
| Ruel, Salomé | La Rochelle Business School |
| Ducros, Margaux | La Rochelle Business School |

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| MC5 | 202 |
| New Manufacturing Technologies (Regular Session) | |

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| Chair: Tsuzuki, Marcos de Sales Guerra | Univ. of Sao Paulo |
| Co-Chair: Barari, Ahmad | Univ. of Ontario Inst. of Tech |
| 17:15-17:35 | MC5.1 |
| <i>Assessing the Impact of Post-Processing Variables on Tensile and Compression Characteristics for 3D Printed Components (I)</i> , pp. 684-689. | |
| Impens, David | Univ. of Windsor |
| Urbanic, Ruth Jill | Univ. of Windsor |
| 17:35-17:55 | MC5.2 |
| <i>Evaluation of the Surface Roughness of Additive Manufacturing Parts Based on the Modeling of Cusp Geometry (I)</i> , pp. 690-695. | |
| Barari, Ahmad | Univ. of Ontario Inst. of Tech |
| Kaji, Farzaneh | Univ. of Ontario Inst. of Tech |
| 17:55-18:15 | MC5.3 |
| <i>On-Line Compressor Blade Stiffness Enhancement in Multi-Axis Machining Process by Controlling of Tension Force</i> , pp. 696-699. | |
| Luo, Ming | Northwestern Pol. Univ |
| Zhang, Xiaofan | Northwestern Pol. Univ |
| Zhang, Dinghua | Northwestern Pol. Univ |
| Wu, Baohai | Northwestern Pol. Univ |
| Zhang, Ying | Northwestern Pol. Univ |
| 18:15-18:35 | MC5.4 |
| <i>A Benchmark Dataset for Depth Sensor Based Activity Recognition in a Manufacturing Process</i> , pp. 700-706. | |
| Rude, Donald | Univ. of Virginia |
| Adams, Stephen | Univ. of Virginia |
| Beling, Peter | U. Virginia |
| 18:35-18:55 | MC5.5 |
| <i>Nonlinearity Error Analysis with the Application of the Envelope Surface in Five-Axis NC Machining</i> , pp. 707-711. | |
| Zhou, Yuansheng | Concordia Univ |
| Chen, Chevy | Concordia Univ |
| Fang, Zixi | Concordia Univ |
| 18:55-19:15 | MC5.6 |
| <i>Alternative Classification Techniques for Brain-Computer Interfaces for Smart Sensor Manufacturing Environments</i> , pp. 712-717. | |
| Balderas, David Christopher | Tecnologico De Monterrey |
| Ponce, Pedro | ITESM-CCM |
| Molina, Arturo | Tecnologico De Monterrey |

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| MC6 | 213 |
| Healthcare Logistics: Scheduling and Optimization (Special Session) | |

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| Chair: Chan, Felix T. S. | The Hong Kong Pol. Univ |
| Co-Chair: Rest, Klaus-Dieter | Univ. of Natural Res. and Life Sciences, Vienna |
| 17:15-17:35 | MC6.1 |
| <i>Assortment and Inventory Planning in Health Care Sector (I)</i> , pp. 718-718. | |
| Chauhan, Satyaveer | Concordia Univ |
| Awasthi, Anjali | Concordia Univ |
| 17:35-17:55 | MC6.2 |
| <i>Supporting Urban Home Health Care in Daily Business and Times of Disasters (I)</i> , pp. 719-724. | |
| Rest, Klaus-Dieter | Univ. of Natural Res. and Life Sciences, Vienna |
| Hirsch, Patrick | Univ. of Natural Res. and Life Sciences, Vienna |
| 17:55-18:15 | MC6.3 |
| <i>Assessment of Assignment Policies of Users in Medico-Social Service Sector (I)</i> , pp. 725-730. | |
| Osorio, Geovanny | Fondation OVE - Univ. De Lyon, INSA Lyon, DISP EA4570 |
| Trilling, Lorraine | Univ. De Lyon, INSA Lyon, DISP EA4570 |
| Albert, Frédéric | Ministère De La Santé, Sous-Direction De La Régulation De L'offr |
| Monteiro, Thibaud | DISP Lab. Univ. De Lyon, Département Génie Industrie |
| 18:15-18:35 | MC6.4 |
| <i>A Multi-Objective Modelling to Human Resource Assignment and Routing Problem for the Home Health Care Services (I)</i> , pp. 731-736. | |
| En-nahli, Laila | Univ. of Artois |
| Allaoui, Hamid | Univ. D'artois |
| Nouaouri, Issam | LGI2A, Univ. D'artois |
| 18:35-18:55 | MC6.5 |
| <i>Multi-Objective Evolutionary for Multi-Skill Health Care Tasks Scheduling</i> , pp. 737-742. | |
| Ben Othman, Sarah | Ec. Centrale of Lille |
| Zoghiami, Nesrine | Ec. Centrale De Lille |
| Hammadi, Slim | Ec. Centrale De Lille |
| Quilliot, Alain | CNRS and Blaise Pascal Univ |
| 18:55-19:15 | MC6.6 |
| <i>Patient-Centered Multi Agent System for Health Care</i> , pp. 743-747. | |
| Benhajji, Noura | Univ. De Lorraine |
| Roy, Daniel | Ec. Nationale D'ingénieurs De Metz |
| Anciaux, Didier | Univ. Paul Verlaine |
| MC7 | 214 |
| Performance Evaluation and Optimization of Manufacturing Systems (Invited Session) | |
| Chair: Yalaoui, Farouk | Univ. of Tech. of Troyes |
| Co-Chair: Ouazene, Yassine | Univ. De Tech. De Troyes |
| 17:15-17:35 | MC7.1 |
| <i>A Fuzzy Ant Colony Optimization to Solve an Open Shop Scheduling Problem with Multi-Skills Resource Constraints (I)</i> , pp. 748-753. | |
| Campos-Ciro, Guillermo | LOSI, Univ. of Tech. of Troyes, France |
| Dugardin, Frédéric | Univ. De Tech. De Troyes |
| Yalaoui, Farouk | Univ. of Tech. of Troyes |
| Kelly, Russell | Norelem SAS |
| 17:35-17:55 | MC7.2 |
| <i>A Qualitative Method for Evaluation in Conceptual Design (I)</i> , pp. 754-759. | |
| Couturier, Pierre | Ec. Des Mines D'ales |
| Imoussaten, Abdelhak | LGI2P, Ec. Des Mines D'ales |
| 17:55-18:15 | MC7.3 |
| <i>Lot-Sizing in Flow-Shop with Energy Consideration for Sustainable Manufacturing Systems (I)</i> , pp. 760-765. | |
| Masmoudi, Oussama | Univ. of Tech. of Troyes |
| Yalaoui, Alice | Univ. of Tech. of Troyes |
| Ouazene, Yassine | Univ. De Tech. De Troyes |
| Chehade, Hicham | Univ. De Tech. De Troyes |
| 18:15-18:35 | MC7.4 |
| <i>Work Control in Balanced DRC Systems Supported by Negotiation Procedures between Autonomous Agents (I)</i> , pp. 766-773. | |
| Fruggiero, Fabio | Univ. of Basilicata |

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| Fera, Marcello Iannone, Raffaele Lambiase, Alfredo | Second Univ. of Naples Univ. of Salerno Univ. of Salerno - Department of Industrial Engineering |
| 18:35-18:55 | MC7.5 |
| <i>Optimization of Manufacturing System through World Class Manufacturing (I)</i> , pp. 774-779. | |
| Petrillo, Antonella De Felice, Fabio | Univ. of Naples Parthenope Univ. of Cassino and Southern Lazio |
| 18:55-19:15 | MC7.6 |
| <i>Hybrid Genetic Algorithm to Solve a Joint Production Maintenance Model (I)</i> , pp. 780-787. | |
| Beheshti Fakher, Hossein Nourelfath, Mustapha Gendreau, Michel | Department of Mechanical Engineering, Faculty of Science and Eng Laval Univ Ec. Pol. De Montréal |
| MC8 | 215 |
| Decision Aid Methods and Algorithms (Regular Session) | |
| Chair: Zerhouni, Noureddine Co-Chair: Varnier, Christophe | FEMTO-ST Inst. UMR CNRS 6174 - UFC / ENSMM / UTBM Femto-ST Inst |
| 17:15-17:35 | MC8.1 |
| <i>A Modeling Method for the Diagnosis of Embedded Systems Based on a Discrete Behavior</i> , pp. 788-793. | |
| Saddem Ramla, Ramla Toguyeni, Armand | Univ. DE REIMS CRESTIC Ec. Centrale De Lille |
| 17:35-17:55 | MC8.2 |
| <i>Experience Based Approach for Li-Ion Batteries RUL Prediction</i> , pp. 794-799. | |
| Khelif, Racha Chebel Morello, Brigitte Zerhouni, Noureddine | Femto-St Inst. FEMTO ST Univ. Franche Comté FEMTO-ST Inst. UMR CNRS 6174 - UFC / ENSMM / UTBM |
| 17:55-18:15 | MC8.3 |
| <i>A Conceptual Framework Toward Advanced Aircraft End-Of-Life Treatment Using Product and Process Features</i> , pp. 800-805. | |
| Zahedi, Hamidreza Masclé, Christian Baptiste, Pierre | Ec. Pol. De Montreal École Pol. De Montréal Ec. Pol. Montreal |
| 18:15-18:35 | MC8.4 |
| <i>Application of DOE-TOPSIS Technique in Decision-Making Problems</i> , pp. 806-810. | |
| Sabaghi, Mahdi Masclé, Christian Baptiste, Pierre | École Pol. De Montréal École Pol. De Montréal Ec. Pol. Montreal |
| 18:35-18:55 | MC8.5 |
| <i>Multi-Strategy Spatial Data Acquisition Missions Using Genetic Algorithms</i> , pp. 811-816. | |
| Halal, Fadi Zaremba, Marek B. | UQO Univ. Du Québec (UQO) |
| 18:55-19:15 | MC8.6 |
| <i>Unilateral Teleoperated Master-Slave System for Medical Applications</i> , pp. 817-820. | |
| Al Mashagbeh, Mohammad Khamesee, Mir Behrad | Univ. of Waterloo Univ. of Waterloo |

Technical Program for Tuesday May 12, 2015

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| TA1 | 209 |
| Advances in Scheduling (Regular Session) | |
| Chair: Zerhouni, Nouredine | FEMTO-ST Inst. UMR CNRS 6174 - UFC / ENSMM / UTBM |
| Co-Chair: Tchernev, Nikolay | Auvergne Univ. IUP |
| 10:30-10:50 | TA1.1 |
| <i>A Job-Shop with an Energy Threshold Issue Considering Operations with Consumption Peaks</i> , pp. 821-826. | |
| Kemmoe, Sylverin | Crcgm Ea 38 49 |
| Lamy, Damien | Blaise Pascal Univ. LIMOS UMR CNRS 6158 |
| Tchernev, Nikolay | Auvergne Univ. IUP |
| 10:50-11:10 | TA1.2 |
| <i>Parallel Mode Schedule Generation Scheme</i> , pp. 827-832. | |
| Pinha, Denis da Cruz | West Virginia Univ |
| Ahluwalia, Rashpal | West Virginia Univ |
| Carvalho, Andrea | Inst. Nacional De Tecnologia |
| 11:10-11:30 | TA1.3 |
| <i>Mining Scheduling Knowledge for Job Shop Scheduling Problem</i> , pp. 833-838. | |
| Wang, Chenglong | State Key Lab. of Industrial Control Tech. Inst |
| Rong, Gang | Zhejiang Univ |
| Weng, Wei | Waseda Univ |
| Feng, YiPing | ZheJiang Univ |
| 11:30-11:50 | TA1.4 |
| <i>Minimization of Maximum Lateness with Equals Processing Times for Single Machine</i> , pp. 839-842. | |
| Lazarev, Alexander | Inst. of Control Sciences, Russian Acad. of Sciences |
| Arkhipov, Dmitry | Inst. of Control Sciences of Russian Acad. of Sciences |
| 11:50-12:10 | TA1.5 |
| <i>On the Complexity and Approximability of the Fixed Interval Scheduling Problem with Energy Constraints</i> , pp. 843-848. | |
| Sassi, Ons | Univ. of Lorraine |
| Oulamara, Ammar | Loria Umr 7503 |
| 12:10-12:30 | TA1.6 |
| <i>Cyclic Scheduling of Flexible Job-Shop with Time Constraints and Resource Capacity Constraints</i> , pp. 849-854. | |
| Zhang, Hongchang | Ec. CENTRALE DE LILLE |
| Collart-Dutilleul, Simon | IFSTTAR/ESTAS |
| Mesghouni, Khaled | Ec. Centrale De Lille |
| TA2 | 210 |
| Manufacturing Process Innovation Based on AI and Service Science (Invited Session) | |
| Chair: Silva, José Reinaldo | Univ. of São Paulo |
| Co-Chair: Cologni, Alberto Luigi | Univ. Degli Studi Di Bergamo |
| 10:30-10:50 | TA2.1 |
| <i>Smartphone Based Video-Telemetry Logger for Remote Maintenance Services</i> , pp. 855-860. | |
| Cologni, Alberto Luigi | Univ. Degli Studi Di Bergamo |
| Fasanotti, Luca | Univ. of Bergamo |
| Dovere, Emanuele | Univ. Degli Studi Di Bergamo |
| Previdi, Fabio | Univ. Degli Studi Di Bergamo |
| Bonfanti, Silvia | Univ. Degli Studi Di Bergamo |
| Owen, Franklin Caleb | Alpha Omega Engineering, Inc |
| 10:50-11:10 | TA2.2 |
| <i>Manufacturing-As-A-Service— from E-Work and Service-Oriented Architecture to the Cloud Manufacturing Paradigm (I)</i> , pp. 861-866. | |
| Moghaddam, Mohsen | PRISM Center and School of Industrial Engineering, Purdue Univ |
| Silva, José Reinaldo | Univ. of São Paulo |
| Nof, Shimon Y. | Purdue Univ |
| 11:10-11:30 | TA2.3 |
| <i>Activity Theory Based Context Model: Application for Enterprise Intelligent Assistant Systems</i> , pp. 867-872. | |
| Dhuieb, Mohamed Anis | IRCCYN |
| Laroche, Florent | IRCCyN, Ec. Centrale De Nantes |

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| Belkadi, Farouk | IRCCYN - Ec. Centrale De Nantes |
| Bernard, Alain | Ec. Centarle De Nantes |
| 11:30-11:50 | TA2.4 |
| <i>Survey on Product-Service System Applications in the Automotive Industry</i> , pp. 873-880. | |
| Mahut, Fabien | Univ. De Tech. De Compiègne, Department of Mechanical |
| Daaboul, Joanna | Univ. De Tech. De Compiègne, Department of Mechanical |
| Bricogne, Matthieu | Univ. De Tech. De Compiègne, Department of Mechanical |
| Eynard, Benoit | UTC |
| 11:50-12:10 | TA2.5 |
| <i>Service Architecture and Interface Design for Mobile Machine Parameter Optimization System</i> , pp. 881-887. | |
| Kannisto, Petri Juhani | Tampere Univ. of Tech |
| Hästbacka, David | Tampere Univ. of Tech |
| Vilkko, Matti Kalervo | Tampere Univ. of Tech |
| Kuikka, Seppo | Tampere Univ. of Tech |
| 12:10-12:30 | TA2.6 |
| <i>DPWS Implementation of a Service Interface to the IMS Center Watchdog Agent (I)</i> , pp. 888-893. | |
| Giacomolli, Anderson Antônio | UFRGS |
| Pereira, Carlos Eduardo | Federal Univ. of Rio Grande Do Sul - UFRGS |
| Zuccolotto, Marcos | UFRGS |
| TA3 | 211 |
| Stochastic Cellular and Manufacturing System Design and Control Issues I (Special Session) | |
| Chair: Suer, Gursel | Ohio Univ |
| Co-Chair: Sormaz, Dusan | Ohio Univ |
| 10:30-10:50 | TA3.1 |
| <i>Comparative Study of Constructive and Improvement Algorithms for Cell Formation with Alternative Routings (I)</i> , pp. 894-901. | |
| Sormaz, Dusan | Ohio Univ |
| Arumugam, Jaikumar | Ohio Univ |
| Suer, Gursel | Ohio Univ |
| 10:50-11:10 | TA3.2 |
| <i>A Framework of Advanced Intelligent Manufacturing System with an Illustration (I)</i> , pp. 902-907. | |
| Wang, Hung-Kai | National Tsing Hua Univ |
| Chien, Chen-Fu | National Tsing Hua Univ |
| 11:10-11:30 | TA3.3 |
| <i>The Effect of Modular Feeder Units on the Tool Switching Cost (I)</i> , pp. 908-913. | |
| Raduly-Baka, Csaba | Univ. of Turku |
| 11:30-11:50 | TA3.4 |
| <i>Three Phase Approach for Cellular Design Considering Product Life Cycle Stages (I)</i> , pp. 914-914. | |
| Ulutas, Berna | Eskisehir Osmangazi Univ |
| Suer, Gursel | Ohio Univ |
| 11:50-12:10 | TA3.5 |
| <i>Group Technology Method for Optimal Production System Layout (I)</i> , pp. 915-916. | |
| Sormaz, Dusan | Ohio Univ |
| Lazarevic, Djordje | Faculty of Tech. Sciences in Novi Sad |
| Cosic, Ilija | Faculty of Tech. Sciences |
| 12:10-12:30 | TA3.6 |
| <i>Zone Design of Tandem Loop AGVs Path with Hybrid Algorithm</i> , pp. 917-922. | |
| Fan, Xiumin | Shanghai JiaoTong University |
| He, Qichang | Shanghai JiaoTong University |
| Zhang, Yuanchun | Shanghai Jiaotong Univ |
| TA4 | 212 |
| Advanced Evolutionary Algorithms for Effective Supply Chain Management (Special Session) | |
| Chair: Awasthi, Anjali | Concordia Univ |
| Co-Chair: Li, Peng | Yunnan Univ |
| 10:30-10:50 | TA4.1 |

Decision Support System for Discrete Robust Berth Allocation (I), pp. 923-928.

Pratap, Saurabh Indian Inst. of Tech. Kharagpur
Nayak, Ashutosh Indian Inst. of Tech. Kharagpur
Cheikhrouhou, Naoufel Haute école De Gestion De Genève, Univ. of Applied Sciences
Tiwari, Manoj K Indian Inst. of Tech. Kharagpur

10:50-11:10 TA4.2

Development of an Effective Cost Minimization Model for Food Grain Shipments (I), pp. 929-934.

Maiyar, Lohithaksha M Indian Inst. of Tech. Kharagpur
J Thakkar, Jitesh Indian Inst. of Tech. Kharagpur
Awasthi, Anjali Concordia Univ
Tiwari, Manoj K Indian Inst. of Tech. Kharagpur

11:10-11:30 TA4.3

Internet of Things for Power Transmission and Distribution Equipments: Intelligent Monitoring and Full Lifecycle Management (I), pp. 935-936.

Li, Peng Yunnan Univ
Cao, Min Yunnan Electric Power Res. Inst

11:30-11:50 TA4.4

An Evolutionary Cooperative Approach Based on Communicating Agents for Dynamic Multi-Hop Ridematching Problem, pp. 937-942.

Ben Cheikh, Sondes Ec. Centrale De Lille
Hammadi, Slim Ec. Centrale De Lille
Tahon, Christian Univ. De Valenciennes Et Du Hainaut Cambrésis

11:50-12:10 TA4.5

Integrating Genetic Algorithm with Time Control for Just-In-Time Scheduling Problems, pp. 943-947.

Chen, Junru Waseda Univ
Weng, Wei Waseda Univ
Rong, Gang Zhejiang Univ
Fujimura, Shigeru Waseda Univ

12:10-12:30 TA4.6

A Hybrid Genetic Algorithm Used in Vehicle Dispatching for JIT Distribution in NC Workshop, pp. 948-953.

Zhang, Dan Nanjing Univ. of Aeronautics and Astronautics
Zhang, Cheng Nanjing Univ. of Aeronautics and Astronautics
Xu, Feng Nanjing Univ. of Aeronautics and Astronautics
Zuo, Dunwen Coll. of Mechanical & Electrical Engineering, Nanjing U

TA5 104

Manufacturing Systems - I (Regular Session)

Chair: ElMaraghy, Hoda Univ. of Windsor
Co-Chair: Agard, Bruno Pol. De Montreal

10:30-10:50 TA5.1

Virtual Fusion: Integrating Virtual Components into a Physical Manufacturing System, pp. 954-959.

Putman, Nicholas Univ. of Michigan
Maturana, Francisco Rockwell Automation
Barton, Kira Univ. of Michigan
Tilbury, Dawn M. Univ. of Michigan

10:50-11:10 TA5.2

How to Define a Creative SME, pp. 960-965.

Lavoie, Cynthia Univ. Du Québec à Trois-Rivières
Abdulnour, Georges Univ. Du Québec à Trois-Rivières

11:10-11:30 TA5.3

Towards Effective Management of Inconsistencies in Model-Based Engineering of Automated Production Systems, pp. 966-973.

Feldmann, Stefan Tech. Univ. München
Herzig, Sebastian Johannes Ingo Georgia Inst. of Tech
Kernschmidt, Konstantin Tech. Univ. München
Wolfenstetter, Thomas Tech. Univ. München, Chair for Information Systems
Kammerl, Daniel Tech. Univ. Muenchen
Qamar, Ahsan Georgia Inst. of Tech
Lindemann, Udo Tech. Univ. Muenchen
Krcmar, Helmut Tech. Univ. München

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| Paredis, Christiaan Jos Jan Vogel-Heuser, Birgit | Georgia Inst. of Tech Tech. Univ. of Munich |
| 11:30-11:50 | TA5.4 |
| <i>Framework for Evaluating Cognitive Support in Mixed Model Assembly Systems</i> , pp. 974-979. | |
| Claeys, Arno | Ghent Univ |
| Hoedt, Steven | UGhent |
| Soete, Nicolas | UGent |
| Van Landeghem, Hendrik | Ghent Univ |
| Cottyn, Johannes | Ghent Univ |
| 11:50-12:10 | TA5.5 |
| <i>Industrial Process Optimization Approach Based on Statistical Analysis of Input and Output Data</i> , pp. 980-985. | |
| Vincent, Benjamin | Blaise Pascal Univ. LIMOS UMR CNRS 6158 |
| Duhamel, Christophe | Blaise Pascal Univ. LIMOS UMR CNRS 6158 |
| Ren, Libo | Auvergne Univ. CRCGM EA3849 |
| Tchernev, Nikolay | Auvergne Univ. IUP |
| 12:10-12:30 | TA5.6 |
| <i>A Method for Automation Software Design of Mechatronic Systems in Manufacturing</i> , pp. 986-991. | |
| Sangregorio, Paolo | Univ. Degli Studi Di Bergamo |
| Cognigni, Alberto Luigi | Univ. Degli Studi Di Bergamo |
| Piccinini, Andrea | Univ. Degli Studi Di Bergamo, Consorzio Intellimech |
| Scarpellini, Alan | Univ. Degli Studi Di Bergamo |
| Previdi, Fabio | Univ. Degli Studi Di Bergamo |
| TA6 | 213 |
| Enterprise Risk Management (Special Session) | |
| Chair: Marmier, François | Univ. De Toulouse, Mines Albi, Centre Génie Industriel |
| Co-Chair: Kopyay, Tamas | Univ. Du Québec En Outaouais |
| 10:30-10:50 | TA6.1 |
| <i>Alliances Decision-Making in NPD: A Risk Point of View (I)</i> , pp. 992-997. | |
| Filipas Deniaud, Ioana | BETA UMR 7522 CNRS - Strasbourg Univ |
| Marmier, François | Univ. De Toulouse, Mines Albi, Centre Génie Industriel |
| Gourc, Didier | Univ. De Toulouse, Mines Albi, Centre Génie Industriel |
| 10:50-11:10 | TA6.2 |
| <i>Complex System Representation for Vulnerability Analysis (I)</i> , pp. 998-1003. | |
| Kamissoko, Daouda, Kamissoko | Univ. of Toulouse, École Des Mines D'albi-Carmaux |
| Peres, Francois | ENIT |
| Zarató, Pascale, Zarató | Univ. of Toulouse 1 Capitole |
| Gourc, Didier | Univ. De Toulouse, Mines Albi, Centre Génie Industriel |
| 11:10-11:30 | TA6.3 |
| <i>Integrating Uncertainty in Software Effort Estimation Using Bootstrap Based Neural Networks (I)</i> , pp. 1004-1009. | |
| Laqrichi, Safae | Univ. De Toulouse, Mines Albi, Centre Génie Industriel |
| Marmier, François | Univ. De Toulouse, Mines Albi, Centre Génie Industriel |
| Gourc, Didier | Univ. De Toulouse, Mines Albi, Centre Génie Industriel |
| Nevoux, Jean | ACAPI |
| 11:30-11:50 | TA6.4 |
| <i>A Mixed Fuzzy Probabilistic Approach for Risk Assessment of Dynamic Systems</i> , pp. 1010-1015. | |
| Flaus, Jean-Marie | Grenoble-INP |
| Abdo, Houssein | G-SCOP |
| 11:50-12:10 | TA6.5 |
| <i>Sustainable Global Supplier Selection Extended towards Sustainability Risks from (1+n)th Tier Suppliers Using Fuzzy AHP Based Approach</i> , pp. 1016-1021. | |
| Awasthi, Anjali | Concordia Univ |
| Gold, Stefan | Nottingham Univ. Business School, Nottingham |
| 12:10-12:30 | TA6.6 |
| <i>Risks Associated to the Energy Transition, and the Reactivation of Mature Oil Fields (I)</i> , pp. 1022-1026. | |
| Teles, Eduardo Oliveira | Postgraduate Program in Industrial Engineering – PEI, Federal Un |
| Grassi, Denise Mangabeira | UFBA |

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| TA7 | 214 |
| Advanced Maintenance Engineering for Competitive and Sustainable Manufacturing in a Big Data Environment - II () | |
| Chair: Macchi, Marco | Pol. Di Milano |
| Co-Chair: Pereira, Carlos Eduardo | Federal Univ. of Rio Grande Do Sul - UFRGS |
| 10:30-10:50 | TA7.1 |
| <i>A Sustainable Approach to Aircraft Engine Maintenance (I)</i> , pp. 1027-1032. | |
| Keivanpour, Samira | Univ. Laval |
| Ait-Kadi, Daoud | Laval Univ |
| 10:50-11:10 | TA7.2 |
| <i>On the Integration of Intelligent Maintenance and Spare Parts Supply Chain Management (I)</i> , pp. 1033-1038. | |
| Hellingrath, Bernd | Univ. of Muenster |
| Pereira, Carlos Eduardo | Federal Univ. of Rio Grande Do Sul - UFRGS |
| Espindola, Danubia | Federal Univ. of Rio Grande - FURG |
| Frazzon, Enzo Morosini | Federal Univ. of Santa Catarina |
| Cordes, Ann-Kristin | Univ. of Muenster |
| Saalmann, Philipp | Westfälische Wilhelms-Univ. Münster |
| Zuccolotto, Marcos | UFRGS |
| 11:10-11:30 | TA7.3 |
| <i>Evaluating the Impact of Spare Parts Pooling Strategy on the Maintenance of Unreliable Repairable System (I)</i> , pp. 1039-1044. | |
| Chemweno, Peter Kipruto | KU Leuven |
| Pintelon, Liliane | KU Leuven |
| Muchiri, Peter Nganga | Dedan Kimathi Univ. of Tech |
| 11:30-11:50 | TA7.4 |
| <i>Risk Driven Engineering of Prognostics and Health Management Systems in Manufacturing (I)</i> , pp. 1045-1050. | |
| Trapani, Natalia | Univ. of Catania |
| Macchi, Marco | Pol. Di Milano |
| Fumagalli, Luca | Pol. Di Milano |
| 11:50-12:10 | TA7.5 |
| <i>Rule-Based Mechanism to Optimize Asset Management Using a Technical Documentation Ontology (I)</i> , pp. 1051-1056. | |
| Koukias, Andreas | Ec. Pol. Fédérale De Lausanne (EPFL) |
| Kiritsis, Dimitris | EPFL |
| 12:10-12:30 | TA7.6 |
| <i>An Assessment Model for the Implementation of RFID in Tool Management (I)</i> , pp. 1057-1062. | |
| Dovere, Emanuele | Univ. Degli Studi Di Bergamo |
| Cavalieri, Sergio | Univ. of Bergamo |
| Ierace, Stefano | CELS - Res. Center on Logistics and after Sales Service - Un |
| TA8 | 215 |
| Modelling and Simulation (Regular Session) | |
| Chair: Alla, Hassane | UJF |
| Co-Chair: Lefebvre, Dimitri | Univ. Le Havre |
| 10:30-10:50 | TA8.1 |
| <i>Predicting Machined Surface Topography Based on High Definition Metrology</i> , pp. 1063-1067. | |
| Wang, Meng | Shanghai Jiao Tong Univ |
| Du, Shichang | School of Mechanical Engineering, Shanghai Jiaotong Univ |
| Xi, Lifeng | Shanghai Jiao Tong Univ |
| 10:50-11:10 | TA8.2 |
| <i>Tolerance Interval for Stochastic Processes with Timed Continuous Petri Nets</i> , pp. 1068-1073. | |
| Lefebvre, Dimitri | Univ. Le Havre |
| Leclercq, Edouard | Univ. Du Havre |
| Sanlaville, Eric | Univ. Le Havre |
| 11:10-11:30 | TA8.3 |
| <i>Continuous Petri Nets and Hybrid Automata for the Analysis of Manufacturing Systems</i> , pp. 1074-1079. | |
| Ghomri, Latéfa | Abou-Bekr Belkaïd Univ. - Tlemcen |

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| Alla, Hassane | UJF |
| 11:30-11:50 | TA8.4 |
| <i>Modeling and Automatic Calculation of Restart States for an Industrial Windscreen Mounting Station</i> , pp. 1080-1086. | |
| Bergagård, Patrik | Chalmers Univ. of Tech |
| Fabian, Martin | Chalmers Univ. of Tech |
| Falkman, Petter | Automation Res. Group |
| 11:50-12:10 | TA8.5 |
| <i>Generating Low-Dimensional, Nonlinear Process Representations by Ordered Features</i> , pp. 1087-1092. | |
| Fischer, Susanne | Karlsruhe Univ. of Applied Sciences |
| Hensgen, Onno | Karlsruhe Univ. of Applied Sciences |
| Elshaabiny, Moustafa | The City Coll. of New York |
| Link, Norbert | Karlsruhe Univ. of Applied Sciences |
| 12:10-12:30 | TA8.6 |
| <i>Taking Ideas from Paper to Practice: A Case Study of Improving Design Processes through Detailed Modeling and Systematic Analysis</i> , pp. 1093-1098. | |
| Zhang, Xiaoqi | McGill Univ |
| Hao, Yu | McGill Univ |
| Thomson, Vince | McGill Univ |
| TB1 | 209 |
| Replenishment Planning and Inventory Control - I () | |
| Chair: Giard, Vincent | Univ. Paris-Dauphine (PSL) |
| Co-Chair: Chauhan, Satyaveer | Concordia Univ |
| 13:30-13:50 | TB1.1 |
| <i>Optimal Control of Distribution Chains for Perishable Goods</i> , pp. 1099-1104. | |
| Gaggero, Mauro | National Res. Council of Italy |
| Tonelli, Flavio | Univ. of Genova |
| 13:50-14:10 | TB1.2 |
| <i>Disruption Management for a Box Erecting Machine (I)</i> , pp. 1105-1110. | |
| Kim, Woo Ram | Korea Aerospace Univ |
| Kim, Nam Uook | Korea Aerospace Univ. Logistics Major |
| Chang, Yoon Seok | Korea Aerospace Univ |
| Son, Dong Woo | Korea Aerospace Univ. Ubiquitous Tech. Application Re |
| 14:10-14:30 | TB1.3 |
| <i>Forward Management of Spare Parts Stock Shortages Via Causal Reasoning Using Reinforcement Learning</i> , pp. 1111-1116. | |
| Addouche, Sid-Ali | Univ. of Paris8 |
| Ghorbel, Nouha | Univ. OF PARIS 8 |
| El Mhamedi, Abderrahman | Univ. of Paris8 |
| 14:30-14:50 | TB1.4 |
| <i>High Variety Impacts on Bill of Materials Structure: Carmakers Case Study</i> , pp. 1117-1122. | |
| Chatras, Clément | PSL - Paris-Dauphine Univ. (LAMSADE) |
| Giard, Vincent | Univ. Paris-Dauphine (PSL) |
| Sali, Mustapha | Renault |
| 14:50-15:10 | TB1.5 |
| <i>High Variety Impacts on Master Production Schedule: A Case Study from the Automotive Industry</i> , pp. 1123-1128. | |
| Chatras, Clément | PSL - Paris-Dauphine Univ. (LAMSADE) |
| Giard, Vincent | Univ. Paris-Dauphine (PSL) |
| Sali, Mustapha | Renault |
| 15:10-15:30 | TB1.6 |
| <i>Towards Physical Internet-Enabled Prefabricated Housing Construction in Hong Kong (I)</i> , pp. 1129-1136. | |
| Zhong, Runyang | Department of Industry and Manufacturing Systems Engineering, Th |
| Huang, George Q. | The Univ. of Hong Kong |
| Xu, Gangyan | The Univ. of Hong Kong |
| TB2 | 210 |
| Intelligent and Adaptive Control in Production, Logistics and Services (Invited Session) | |

| | |
|--|--|
| Chair: Cardin, Olivier | IRCCyN |
| Co-Chair: Sallez, Yves | Univ. of Valenciennes |
| 13:30-13:50 | TB2.1 |
| <i>Multicast Dataset Synchronization and Agent Negotiation in Distributed Manufacturing Control Systems (I)</i> , pp. 1137-1142. | |
| Morariu, Octavian | Univ. Pol. of Bucharest, Faculty of Control and Computer |
| Morariu, Cristina | Univ. Pol. of Bucharest, Faculty of Control and Computer |
| Borangiu, Theodor | Univ. Rs |
| Raileanu, Silviu | Faculty of Automatic Control and Computers |
| 13:50-14:10 | TB2.2 |
| <i>Governance Mechanism in Control Architectures for Flexible Manufacturing Systems (I)</i> , pp. 1143-1148. | |
| Jimenez, Jose Fernando | Pontificia Univ. Javeriana |
| Bekrar, Abdelghani | Univ. of Valenciennes |
| Trentesaux, Damien | Univ. of Valenciennes |
| Zambrano Rey, Gabriel Mauricio | Pontificia Univ. Javeriana |
| Leitão, Paulo | Pol. Inst. of Bragança |
| 14:10-14:30 | TB2.3 |
| <i>Extension of Holonic Paradigm to Smart Grids (I)</i> , pp. 1149-1154. | |
| Ferreira, Adriano | Pol. Inst. of Bragança |
| Ferreira, Angela | Pol. Inst. of Bragança |
| Cardin, Olivier | IRCCyN |
| Leitão, Paulo | Pol. Inst. of Bragança |
| 14:30-14:50 | TB2.4 |
| <i>Performance Evaluation of Holonic-Based Online Scheduling for a Switch Arrival System (I)</i> , pp. 1155-1160. | |
| Indriago, Carlos | LUNAM Univ. IUT De Nantes – Univ. De Nantes, IRCCyN U |
| Cardin, Olivier | IRCCyN |
| Bellenguez-Morineau, Odile | LUNAM Univ. Ec. Des Mines De Nantes, IRCCyN UMR CNRS 659 |
| Rakoto, Naly | LUNAM Univ. Ec. Des Mines De Nantes, IRCCyN UMR CNRS 659 |
| Castagna, Pierre | Univ. of Nantes |
| 14:50-15:10 | TB2.5 |
| <i>Implementation of a Process Orchestration Model in a Service Oriented Holonic Manufacturing System (I)</i> , pp. 1161-1166. | |
| Gamboa Quintanilla, Francisco | IRCCyN |
| Cardin, Olivier | IRCCyN |
| L'Anton, Anne | IUT De Nantes |
| Castagna, Pierre | Univ. of Nantes |
| 15:10-15:30 | TB2.6 |
| <i>Some Optimization Aspects on the Lie Group $SO(3)$</i> , pp. 1167-1171. | |
| Berkane, Soulaïmane | Western Univ |
| Tayebi, Abdelhamid | Lakehead Univ |
| TB3 | 211 |
| Cellular Manufacturing and Group Technology (Regular Session) | |
| Chair: Suer, Gursel | Ohio Univ |
| Co-Chair: Ulutas, Berna | Eskisehir Osmangazi Univ |
| 13:30-13:50 | TB3.1 |
| <i>An Examination of Throughput Protection Provided by Inventory and Capacity Buffers in a Serial Production System (I)</i> , pp. 1172-1173. | |
| Ojha, Divesh | Univ. of North Texas |
| Kulkarni, Sailesh | Univ. of North Texas |
| Fredendall, Lawrence | Clemson Univ |
| Singh, Vijay | E-Bay |
| 13:50-14:10 | TB3.2 |
| <i>Assessing the Number of Cells for a Cell Formation Problem (I)</i> , pp. 1174-1179. | |
| Ulutas, Berna | Eskisehir Osmangazi Univ |
| 14:10-14:30 | TB3.3 |
| <i>Towards Operational Hedging for Logistics Uncertainty Management in Prefabrication Construction (I)</i> , pp. 1180-1185. | |
| Zhai, Yue | The Univ. of Hong Kong |
| Huang, George Q. | The Univ. of Hong Kong |

14:30-14:50 TB3.4

New Lower Bounds for the Best-Case Schedule in Groups of Permutable Operations, pp. 1186-1191.

| | |
|------------------|--|
| Yahouni, Zakaria | IRCCyN, Inst. De Recherche En Communications Et Cybernétique |
| Mebarki, Nasser | IUT De Nantes |
| Sari, Zaki | Univ. of Tlemcen |

14:50-15:10 TB3.5

Group Technology-Based Model and Cuckoo Optimization Algorithm for Resource Allocation in Cloud Computing, pp. 1192-1197.

| | |
|-----------------------|--------------------------------------|
| Shahdi-Pashaki, Milad | Shomal Univ |
| Teymourian, Ehsan | Mazandaran Univ. of Science and Tech |
| Kayvanfar, Vahid | Amirkabir Univ. of Tech |
| Komaki, Mohammad | Case Western Res. Univ |
| Sajadi, A | Case Western Res. Univ |

15:10-15:30 TB3.6

Multi-Agent System for Solving Dynamic Operating Theater Facility Layout Problem, pp. 1198-1203.

| | |
|--------------------|--|
| Chraïbi, Abdelahad | LASPI - Univ. De Lyon |
| Kharraja, Saïd | Univ. De Lyon, Univ. Jean Monnet Saint Etienne |
| Osman, Ibrahim | Suliman S. Olayan's School of Business, Business Information & D |
| Elbeqqali, Omar | USMBA - Univ. De Fès |

TB4 212**Warehouse Design and Management (Special Session)**

| | |
|--------------------------|--------------------------------------|
| Chair: Roy, Debjit | Indian Inst. of Management Ahmedabad |
| Co-Chair: Taylor, G. Don | Virginia Tech |

13:30-13:50 TB4.1

The Impact of Order Picker Skills on Warehouse Performance (I), pp. 1204-1204.

| | |
|----------------------|-------------------------|
| De Koster, René B.M. | Erasmus Univ. Rotterdam |
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13:50-14:10 TB4.2

Warehouse Design under Class-Based Storage Policy of Shuttle-Based Storage and Retrieval System (I), pp. 1205-1207.

| | |
|--------------|-------------------|
| Ekren, Banu | Izmir Univ. of Ec |
| Sari, Zaki | Univ. of Tlemcen |
| Lerher, Tone | Univ. of Maribor |

14:10-14:30 TB4.3

Layout Optimization of a Three Dimensional Order Picking Warehouse (I), pp. 1208-1213.

| | |
|--------------------------|------------------------------|
| Adil, Gajendra K | Indian Inst. of Tech. Bombay |
| Rakesh, Venkitasubramony | Indian Inst. of Tech. Bombay |

14:30-14:50 TB4.4

Performance Analysis of Warehouse Systems with Dynamic Batching (I), pp. 1214-1215.

| | |
|------------------|--------------------------------------|
| Roy, Debjit | Indian Inst. of Management Ahmedabad |
| Dhingra, Vibhuti | Indian Inst. of Management Ahmedabad |

14:50-15:10 TB4.5

Challenges and Opportunities in Dense Warehousing (I), pp. 1216-1216.

| | |
|----------------|---------------|
| Taylor, G. Don | Virginia Tech |
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15:10-15:30 TB4.6

Order Picking Travel Distance Estimation in Picker-To-Parts Warehouses Using Monte-Carlo Simulation to Design Rectangular Warehouse Sections (I), pp. 1217-1218.

| | |
|------------------|----------------|
| Venkatadri, Uday | Dalhousie Univ |
| Khalil, Moayad | Dalhousie Univ |
| Diallo, Claver | Dalhousie Univ |

TB5 104**Engineering Optimization (Regular Session)**

| | |
|------------------------|---------------------------------|
| Chair: Belkadi, Farouk | IRCCyN - Ec. Centrale De Nantes |
| Co-Chair: Oncan, Temel | GALATASARAY Univ |

13:30-13:50 TB5.1

The Dynamic Family Assignment Heuristic, pp. 1219-1224.

| | |
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| Bayley, Tiffany A. | Univ. of Waterloo |
| Bookbinder, James H. | Department of Management Sciences, Univ. of Waterloo |
| 13:50-14:10 | TB5.2 |
| <i>Tabu Search Heuristics for Two Bounded Degree Spanning Tree Problems</i> , pp. 1225-1230. | |
| Oncan, Temel | GALATASARAY Univ |
| 14:10-14:30 | TB5.3 |
| <i>Fuzzy Expert System Based Evaluation Framework for Management Procedure Models</i> , pp. 1231-1236. | |
| Stahl, Benjamin | Tech. Univ. München |
| Zong, Zeng | Tech. Univ. München |
| Plehn, Christian | Tech. Univ. München, Inst. for Machine Tools And |
| Lohmann, Boris | Tech. Univ. München |
| 14:30-14:50 | TB5.4 |
| <i>Interruption Management in Human Multitasking Environments</i> , pp. 1237-1243. | |
| Darmoul, Saber | King Saud Univ. KSU |
| Ahmad, Ali | Northwestern State Univ |
| Ghaleb, Mageed | King Saud Univ. KSU |
| Alkahtani, Mohammed | King Saud Univ. KSU |
| 14:50-15:10 | TB5.5 |
| <i>Trust-Based Patterns for the Management of Inter-Enterprises Collaborations in Context of Extended Enterprise</i> , pp. 1244-1249. | |
| Belkadi, Farouk | IRCCYN - Ec. Centrale De Nantes |
| Bernard, Alain | Ec. Centarle De Nantes |
| 15:10-15:30 | TB5.6 |
| <i>A Fuzzy Handling of Trend Objective Declaration and Trend Performance Expression</i> , pp. 1250-1255. | |
| Foulloy, Laurent | Univ. De Savoie |
| Berrah, Lamia | Savoie Univ |
| TPo8 | 215 |
| Doctoral Consortium (Dissertation Session) | |
| Chair: Cretu, Ana-Maria | Univ. Du Québec En Outaouais |
| Co-Chair: Zaremba, Marek B. | Univ. of Quebec |
| 13:30-18:00 | TPo8.1 |
| <i>Joint Production and Replacement Strategy for a Quality Deteriorating Failure-Prone Manufacturing System</i> , pp. 1256-1261. | |
| Ouaret, Samir | Ec. De Tech. Superieure |
| Kenné, Jean-Pierre | École De Tech. Supérieure |
| Gharbi, Ali | École De Tech. Supérieure |
| Polotski, Vladimir | Ec. De Tech. Superieure |
| 13:30-18:00 | TPo8.2 |
| <i>Intelligent Agents for Cooperative Driving: Challenges and Solutions</i> , pp. 1262-1263. | |
| Colmenares, Giancarlo | Univ. Nacional Experimental Del Táchira |
| Benyahia, Ilham | Univ. Du Québec En Outaouais |
| Shawky, M. | Univ. De Tech. De Compiègne |
| Zaremba, Marek B. | Univ. Du Québec (UQO) |
| 13:30-18:00 | TPo8.3 |
| <i>Adaptable Capability-Based Planning</i> , pp. 1264-1269. | |
| Keddis, Nadine | Fortiss |
| Zoitl, Alois | Fortiss GmbH |
| Knoll, Alois | Tech. Univ. Muenchen TUM |
| 13:30-18:00 | TPo8.4 |
| <i>Multi-Strategy Navigation Planning Using Meta-Heuristics</i> , pp. 1270-1271. | |
| Halal, Fadi | UQO |
| 13:30-18:00 | TPo8.5 |
| <i>Supply Chain Complexity in the Semiconductor Industry: Assessment from System View and the Impact of Changes</i> , pp. 1272-1277. | |
| Sun, Can | Infineon Tech. AG |
| Rose, Thomas | Fraunhofer FIT |
| 13:30-18:00 | TPo8.6 |
| <i>An Integrated Framework for Scarce Data Environment Modelling</i> , pp. 1278-1279. | |
| Davila, Juan Carlos | UQO |

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| 13:30-18:00 | TPo8.7 |
| <i>A Multi-Objective Genetic Method Minimizing Tardiness and Energy Consumption During Idle Times</i> , pp. 1280-1287. | |
| Al-Qaseer, Firas Abdulmajeed | LIMOS/IFMA |
| Gien, Denis | Limos - Umr Cnrs 6158 |
| 13:30-18:00 | TPo8.8 |
| <i>Applying Complex Network Theory to the Assessment of Organizational Resilience</i> , pp. 1288-1293. | |
| Ruiz-Martin, Cristina | Univ. De Valladolid & Carleton Univ |
| Lopez-Paredes, Adolfo | Grupo INSISOC. Departamento De Organización De Empresas Y CIM. E |
| Wainer, Gabriel | Carleton Univ |
| TPoster | Atrium |
| Poster Session (Poster Session) | |
| Chair: Benmansour, Rachid | Univ. De Valenciennes Et Du Hainaut Cambrésis |
| Co-Chair: Miranda, Salvatore | Univ. of Salerno |
| 13:30-18:00 | TPoster.1 |
| <i>To the Problem of Dynamic Modeling and Management in an Integrated Environment of the Industrial Cluster (I)</i> , pp. 1294-1299. | |
| Smirnova, Gulnara | Kazan National Res. Tech. Univ. Named after A.N.Tup |
| Sabitov, Rustem | Kazan National Res. Tech. Univ. Named after A.N.Tup |
| Sabitov, Shamil | Kazan National Res. Tech. Univ. Named after A.N.Tup |
| Sirazetdinov, Bulat | Kazan National Res. Tech. Univ. Named after A.N.Tup |
| Elizarova, Natalya | Kazan National Res. Tech. Univ. Named after A.N.Tup |
| Morozov, Boris | KAMAZ |
| 13:30-18:00 | TPoster.2 |
| <i>Adaptive Control and Operational Management System of Machine-Tool Fleet of the Manufacturing Enterprise (I)</i> , pp. 1300-1305. | |
| Morozov, Boris | KAMAZ |
| Rudnitckii, Sergei | KAMAZ |
| Sabitov, Rustem | Kazan National Res. Tech. Univ. Named after A.N.Tup |
| Smirnova, Gulnara | Kazan National Res. Tech. Univ. Named after A.N.Tup |
| Sirazetdinov, Bulat | Kazan National Res. Tech. Univ. Named after A.N.Tup |
| Sabitov, Shamil | Kazan National Res. Tech. Univ. Named after A.N.Tup |
| 13:30-18:00 | TPoster.3 |
| <i>New Solutions for Thermal Treatment of Flat Products Using Self-Adjusting Mathematical Models with Partly Observable Parameters (I)</i> , pp. 1306-1311. | |
| Nikulina, Irina | V.A. Trapeznikov Inst. of Control Sciences |
| Salikhov, Zufar | V.A. Trapeznikov Inst. of Control Sciences |
| Gazimov, Ruslan | V.A. Trapeznikov Inst. of Control Sciences |
| Genkin, Arkady | V.A. Trapeznikov Inst. of Control Sciences |
| 13:30-18:00 | TPoster.4 |
| <i>Stability Conditions for Multimodal Power and Process Plants (I)</i> , pp. 1312-1317. | |
| Bakhtadze, Natalia | V.A. Trapeznikov Inst. of Control Sciences, Russian Acad |
| Yadykin, Igor | V.A. Trapeznikov Inst. of Control Sciences, Russian Acad |
| Lototsky, Vladimir | V.A. Trapeznikov Inst. of Control Sciences |
| Sakrutina, Ekaterina | V.A. Trapeznikov Inst. of Control Sciences, Russian Acad |
| Pesikov, Eduard | St. Petersburg State Univ. of Tech. and Design |
| Maximov, Eugene | Inst. of Control Sciences of Russian Acad. Ofsciences |
| 13:30-18:00 | TPoster.5 |
| <i>Modeling of Singularly Perturbed Multi-Criterion Optimal Control Workflows (I)</i> , pp. 1318-1322. | |
| Salikhov, Zufar | V.A. Trapeznikov Inst. of Control Sciences |
| 13:30-18:00 | TPoster.6 |
| <i>Methods and Algorithms for the Solution of Inverse Problems of Modelling and Control in Reservoir Engineering (I)</i> , pp. 1323-1327. | |
| Akhmetzyanov, Atlas | Inst. of Control Sciences, Russian Acad. of Sciences |
| Salnikov, Anton | Inst. of Control Sciences, Russian Acad. of Sciences |
| 13:30-18:00 | TPoster.7 |
| <i>Integrable Models of Oil Displacement (I)</i> , pp. 1328-1331. | |
| Akhmetzyanov, Atlas | Inst. of Control Sciences, Russian Acad. of Sciences |
| Kushner, Alexei | Inst. of Control Sciences of the Russian Acad. Ofsciences |
| Lychagin, Valentin | Tromsø Univ |

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| 13:30-18:00 | | TPoster.8 |
| <i>The Combined Scenario-Indicator Approach for Safety Improvements of Complex Technical Systems (I)</i> , pp. 1332-1336. | | |
| Somov, Dmitry | Inst. of Control Sciences of Russian Acad. Ofsciences | |
| Kulba, Vladimir | Inst. of Control Sciences of Russian Acad. Of | |
| Zaikin, Oleg | Warsaw School of Computer Science | |
| 13:30-18:00 | | TPoster.9 |
| <i>Feedback Invariants of Control Hamiltonian Systems (I)</i> , pp. 1337-1339. | | |
| Kushner, Alexei | Inst. of Control Sciences of the Russian Acad. Ofsciences | |
| Lychagin, Valentin | Tromsø Univ | |
| 13:30-18:00 | | TPoster.10 |
| <i>Lead Time Reduction in an Interactive Value Chain: Call-Request-Respond Time Reduction Using a Distributed Information Space (I)</i> , pp. 1340-1347. | | |
| Kristoffersen, Steinar | Molde Univ. Coll | |
| 13:30-18:00 | | TPoster.11 |
| <i>Modeling of Reconfigurable Distributed Manufacturing Control Systems</i> , pp. 1348-1353. | | |
| Silva, Robson Marinho da | Univ. Estadual De Santa Cruz (UESC) | |
| Benítez Pina, Israel Francisco | Univ. Do Estado De Amazonas | |
| Blos, Mauricio F. | Pol. School of the Univ. of São Paulo | |
| Santos Filho, Diolino José | Escola Pol. - Univ. of São Paulo (USP) | |
| Miyagi, Paulo Eigi | Univ. of Sao Paulo, Escola Pol | |
| 13:30-18:00 | | TPoster.12 |
| <i>Modeling Fashion Retail Supply Chain through Causal Loop Diagram</i> , pp. 1354-1359. | | |
| Iannone, Raffaele | Univ. of Salerno | |
| Martino, Giada | Univ. of Salerno | |
| Miranda, Salvatore | Univ. of Salerno | |
| Riemma, Stefano | Univ. of Salerno | |
| 13:30-18:00 | | TPoster.13 |
| <i>Extremes Control of Complex Systems with Applications to Social Networks</i> , pp. 1360-1365. | | |
| Markovich, Natalia | V.A.Trapeznikov Inst. of Control Sciences | |
| 13:30-18:00 | | TPoster.14 |
| <i>Adaptive Vibration Control of a Flexible Cable Driven Parallel Robot (I)</i> , pp. 1366-1371. | | |
| Jamshidifar, Hamed | Univ. of Waterloo | |
| Fidan, Baris | Univ. of Waterloo | |
| Gungor, Gokhan | Univ. of Waterloo | |
| Khajepour, Amir | Univ. of Waterloo | |
| 13:30-18:00 | | TPoster.15 |
| <i>Multi-Agent Systems within Modeling and Identification Problems</i> , pp. 1372-1377. | | |
| Chernyshov, Kirill | V.A. Trapeznikov Inst. of Control Sciences | |
| 13:30-18:00 | | TPoster.16 |
| <i>A Multi-Item Constrained EOQ Calculation Algorithm with Exit Condition: A Comparative Analysis</i> , pp. 1378-1383. | | |
| Miranda, Salvatore | Univ. of Salerno | |
| Fera, Marcello | Second Univ. of Naples | |
| Iannone, Raffaele | Univ. of Salerno | |
| Riemma, Stefano | Univ. of Salerno | |
| 13:30-18:00 | | TPoster.17 |
| <i>Software Tools to Model and Investigate Technological and Economical Efficiency of Nuclear Power Plants: A Real Case Study (I)</i> , pp. 1384-1389. | | |
| Jharko, Elena | V.A. Trapeznikov Inst. of Control Sciences | |
| 13:30-18:00 | | TPoster.18 |
| <i>A Novel Safety Control Hierarchical Architecture for Prevention and Mitigation of Critical Faults in Process Industries Based on Defense-In-Depth, Reactive Systems and Safety-Diagnosability (I)</i> , pp. 1390-1395. | | |
| Squillante Júnior, Reinaldo | Univ. of São Paulo | |
| Santos Filho, Diolino José | Escola Pol. - Univ. of São Paulo (USP) | |
| Silva, Robson Marinho da | Univ. Estadual De Santa Cruz (UESC) | |
| Souza, Afonso Lopes, Jeferson | Escola Pol. Da Univ. De São Paulo | |
| Junqueira, Fabrício | Escola Pol. Univ. of São Paulo | |
| Miyagi, Paulo Eigi | Univ. of Sao Paulo, Escola Pol | |
| 13:30-18:00 | | TPoster.19 |

A Generalized Version of the Periodic Maintenance Problem (I), pp. 1396-1397.

| | |
|--------------------|---|
| Benmansour, Rachid | Univ. De Valenciennes Et Du Hainaut Cambrésis |
| Todosijevic, Raca | Univ. of Valenciennes |
| Hanafi, Said | Univ. De Valenciennes Le Mont Houy |
| Artiba, Abdelhakim | Univ. De Valenciennes |

13:30-18:00 TPoster.20

Online Estimation and Compensation of Friction in Industrial Cable Robot Manipulation (I), pp. 1398-1403.

| | |
|-----------------------|-------------------|
| Gungor, Gokhan | Univ. of Waterloo |
| Turhan, Mustafa Hakan | Univ. of Waterloo |
| Jamshidifar, Hamed | Univ. of Waterloo |
| Fidan, Baris | Univ. of Waterloo |

13:30-18:00 TPoster.21

A Structural Prediction Concept for Railway State Forecasting Problem, pp. 1404-1408.

| | |
|------------------------|--|
| Mandel, Alexander | Trapeznikov Inst. of Control Sciences of Russian Academy |
| Bordukov, Dmitry | Lomonosov Moscow State Univ. Faculty of Physics |
| Dorofeyuk, Alexander | Insitute of Control Sciences of RAS |
| Dorofeyuk, Julia | Insitute of Control Sciences of RAS |
| Chernyavskiy, Alexandr | Inst. of Control Science |

13:30-18:00 TPoster.22

Contractual Delivery Time Finding with Accumulation of Goods in Consolidation Warehouse (I), pp. 1409-1410.

| | |
|-------------------|--|
| Zalozhnev, Alexey | V.A. Trapeznikov Inst. of Control Sciences of the Russian Ac |
| Zalozhnev, Dmitry | Energas, Llc |
| Chistov, Dmitry | Financial Univ. under the Government of the Russian Federat |

13:30-18:00 TPoster.23

Information Support and Skill Evaluation of Human-Operators (I), pp. 1411-1416.

| | |
|--------------------|--|
| Chernyshov, Kirill | V.A. Trapeznikov Inst. of Control Sciences |
| Jharko, Elena | V.A. Trapeznikov Inst. of Control Sciences |

13:30-18:00 TPoster.24

Probabilistic Description of Stock Movement at the Terminal with Regular Completion, pp. 1417-1422.

| | |
|-------------------------------------|--|
| Troyanovskyi, Vladimir Mikhailovich | National Res. Univ. of Electronic Tech |
| Lin Aung, Yan | Defence Service Acad |

13:30-18:00 TPoster.25

Estimating the Compound Poisson Demand's Parameters for Single Period Problem for Large Lot Size (I), pp. 1423-1427.

| | |
|----------------------|--------------------------------|
| Kitaeva, Anna | Tomsk Pol. Univ. Tomsk, Russia |
| Subbotina, Valentina | National Res. Tomsk State Univ |
| Stepanova, Natalya | Tomsk State Univ |

13:30-18:00 TPoster.26

Feedback Control and Kalman Filtering of Nonlinear Wave Dynamics, pp. 1428-1433.

| | |
|--------------------|-------------------------|
| Rigatos, Gerasimos | Industrial Systems Inst |
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13:30-18:00 TPoster.27

Control of Heat Diffusion in Arc Welding Using Differential Flatness Theory and Nonlinear Kalman Filtering (I), pp. 1434-1440.

| | |
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| Rigatos, Gerasimos | Industrial Systems Inst |
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13:30-18:00 TPoster.28

The Newsvendor Problem with Fast Moving Items and a Compound Poisson Price Dependent Demand, pp. 1441-1445.

| | |
|----------------------|--------------------------------|
| Kitaeva, Anna | Tomsk Pol. Univ. Tomsk, Russia |
| Zmeev, Oleg A. | National Res. Tomsk State Univ |
| Subbotina, Valentina | National Res. Tomsk State Univ |

13:30-18:00 TPoster.29

A Methodology to Solve the Order Batching Problem (I), pp. 1446-1452.

| | |
|-----------------------------|---------------------------------|
| Zuniga, Catya | UPAEP |
| Olivares-Benitez, Elias | UPAEP Univ |
| Tenahua, Angélica María | UPAEP / Univ. Anáhuac De Puebla |
| Mujica Mota, Miguel Antonio | Univ. Autonoma De Barcelona |

13:30-18:00 TPoster.30

Safety Stock Levels in Modular Product System Using Commonality and Part Families (I), pp. 1453-1458.

| | |
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| Hernández Ruiz, Kenneth Edgar | Univ. Popular Autónoma Del Estado De Puebla |
| Olivares-Benitez, Elias | UPAEP Univ |

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| Zuniga, Catya | UPAEP |
| 13:30-18:00 | TPoster.31 |
| <i>Automated Data Acquisition for a Large Scale Capacitated Vehicle Routing Problem (I)</i> , pp. 1459-1464. | |
| Garzon Garnica, Eduardo Arturo | UPAEP |
| Cruz, Benitez, Diana Patricia | UPAEP |
| Badillo, Omar David | Univ. Popular Autónoma Del Estado De Puebla |
| Sánchez-Partida, Diana | UPAEP Univ |
| Martinez - Flores, Jose Luis | UPAEP Univ |
| 13:30-18:00 | TPoster.32 |
| <i>A Case of Study: SMED & JIT Methodologies to Develop Continuous Flow of Stamped Parts into AC Disconnect Assembly Line in Schneider Electric Tlaxcala Plant (I)</i> , pp. 1465-1470. | |
| Rodriguez, Rodolfo | UPAEP Univ |
| Sánchez-Partida, Diana | UPAEP Univ |
| Martinez - Flores, Jose Luis | UPAEP Univ |
| Arvizu Barron, Ezequiel | Colegio De Postgraduados |
| TC1 | 209 |
| Replenishment Planning and Inventory Control - II () | |
| Chair: Boctor, Fayez | Univ. Laval |
| Co-Chair: Baboli, Armand | INSA-Lyon, DISP Lab. F-69621, France |
| 16:00-16:20 | TC1.1 |
| <i>A Stochastic Methodology for the Optimal Management of Infrequent Demand Spare Parts in the Automotive Industry</i> , pp. 1471-1476. | |
| Ronzoni, Chiara | Univ. of Modena and Reggio Emilia |
| Ferrara, Andrea | Univ. Degli Studi Di Modena E Reggio Emilia |
| Grassi, Andrea | Univ. Di Modena E Reggio Emilia |
| 16:20-16:40 | TC1.2 |
| <i>In-House Production and Sourcing Competition under Demand Uncertainties</i> , pp. 1477-1481. | |
| Jain, Tarun | IIM Bangalore |
| Hazra, Jishnu | Indian Inst. of Management Bangalore |
| 16:40-17:00 | TC1.3 |
| <i>Inventory Replenishment Planning and Staggering</i> , pp. 1482-1487. | |
| Boctor, Fayez | Univ. Laval |
| Bolduc, Marie-Claude | Univ. Laval |
| 17:00-17:20 | TC1.4 |
| <i>Workload Control-Related Workload Route Decision</i> , pp. 1488-1493. | |
| Zhao, Boxuan | Xi'an Jiaotong Univ |
| Gao, Jianmin | Xi'an Jiaotong Univ |
| 17:20-17:40 | TC1.5 |
| <i>Supply Chain Configuration towards Customization: A Comparison between Small and Large Series Production</i> , pp. 1494-1499. | |
| Fornasiero, Rosanna | CNR |
| Macchion, Laura | Univ. of Padua |
| Vinelli, Andrea | Univ. of Padua |
| 17:40-18:00 | TC1.6 |
| <i>Design of Warehouse Control System for Real Time Management (I)</i> , pp. 1500-1504. | |
| Son, Dong Woo | Korea Aerospace Univ. Ubiquitous Tech. Application Re |
| Chang, Yoon Seok | Korea Aerospace Univ |
| Kim, Woo Ram | Korea Aerospace Univ |
| TC2 | 210 |
| Manufacturing in a Big Data Environment - I (Invited Session) | |
| Chair: Macchi, Marco | Pol. Di Milano |
| Co-Chair: Cavalieri, Sergio | Univ. of Bergamo |
| 16:00-16:20 | TC2.1 |
| <i>A Distributed Agent-Based Approach to Manage Industrial Wireless Sensor Networks (I)</i> , pp. 1505-1510. | |
| Taboun, Mohammed | Univ. of Calgary |
| Gholami, Mohammad | Schulich School of Engineering, Univ. of Calgary |
| Brennan, Robert | Univ. of Calgary |

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| 16:20-16:40 | TC2.2 |
| <i>Knowledge Formalization for Experts' Selection into a Collaborative Maintenance Platform</i> , pp. 1511-1516. | |
| Bekkaoui, Mokhtaria | EPST, Tlemcen. Manufacturing Engineering Lab. of Tlemcen (LGP-ENIT Univ. of Tlemcen) |
| Karray, Hedi | |
| Sari, Zaki | |
| 16:40-17:00 | TC2.3 |
| <i>Designing an Artificial Immune Systems for Intelligent Maintenance Systems (I)</i> , pp. 1517-1522. | |
| Zuccolotto, Marcos | UFRGS |
| Pereira, Carlos Eduardo | Federal Univ. of Rio Grande Do Sul - UFRGS |
| Fasanotti, Luca | Univ. of Bergamo |
| Cavaliere, Sergio | Univ. of Bergamo |
| Lee, Jay | Univ. of Cincinnati |
| 17:00-17:20 | TC2.4 |
| <i>Integrating Maintenance within the Production Process through a Flexible E-Maintenance Platform (I)</i> , pp. 1523-1528. | |
| Fumagalli, Luca | Pol. Di Milano |
| Macchi, Marco | Pol. Di Milano |
| 17:20-17:40 | TC2.5 |
| <i>RFID Implementation in a Supply Chain: Comparison of Three Case Studies (I)</i> , pp. 1529-1532. | |
| Talla, Malleswara | John Molson School of Business, Concordia Univ. Montreal |
| 17:40-18:00 | TC2.6 |
| <i>Model for a Predictive Maintenance System Effectiveness Using the Analytical Hierarchy Process As Analytical Tool</i> , pp. 1533-1538. | |
| Baidya, Rahul | JADAVPUR Univ |
| Ghosh, Sadhan | JADAVPUR Univ |
| TC3 | 211 |
| Reconfigurable, Agile and Adaptable Manufacturing Systems (Regular Session) | |
| Chair: Mascle, Christian | École Pol. De Montréal |
| Co-Chair: Teufl, Sabine | Fortiss GmbH |
| 16:00-16:20 | TC3.1 |
| <i>A New Approach for Analyzing Auto-Manufactures Strategic Choice in Applying End-Of-Life Vehicle Practices</i> , pp. 1539-1545. | |
| Keivanpour, Samira | Univ. Laval |
| Ait-Kadi, Daoud | Laval Univ |
| Mascle, Christian | École Pol. De Montréal |
| 16:20-16:40 | TC3.2 |
| <i>An Approach for Peg-In-Hole Assembling Using Intuitive Search Algorithm Based on Human Behavior and Carried by Sensors Guided Industrial Robot</i> , pp. 1546-1551. | |
| Abdullah, Mustafa Waad | Univ. of Siegen |
| Roth, Hubert | Univ. Siegen |
| Weyrich, Michael | Univ. of Stuttgart |
| Wahrburg, Juergen | Univ. of Siegen |
| 16:40-17:00 | TC3.3 |
| <i>Efficient Impact Analysis of Changes in the Requirements of Manufacturing Automation Systems</i> , pp. 1552-1559. | |
| Teufl, Sabine | Fortiss GmbH |
| Hackenberg, Georg | Tech. Univ. München |
| 17:00-17:20 | TC3.4 |
| <i>A Framework for Modelling Reconfigurable Manufacturing Systems Using Hybridized Discrete-Event and Agent-Based Simulation</i> , pp. 1560-1565. | |
| Khedri Liraviasl, Kourosh | Univ. of Windsor |
| ElMaraghy, Hoda | Univ. of Windsor |
| Hanafy, Mohmmad | Univ. of Windsor |
| Badrous, Sameh | Univ. of Windsor |
| 17:20-17:40 | TC3.5 |
| <i>Towards a Reconfigurable Inferior Limbs Exoskeleton for Assistive, Rehabilitation, and Empowering Application</i> , pp. 1566-1571. | |
| Rodriguez, Carlos Alfonso | Blablabla |
| Lugo, Esther | ITESM |
| Ponce, Pedro | ITESM-CCM |
| Molina, Arturo | Tecnologico De Monterrey |

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| 17:40-18:00 | TC3.6 |
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Product-Driven Generation of Action Sequences for Adaptable Manufacturing Systems, pp. 1572-1578.

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| Keddis, Nadine | Fortiss |
| Kainz, Gerd | Fortiss |
| Zoitl, Alois | Fortiss GmbH |

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| TC4 | 212 |
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Supply Chain Scheduling (Invited Session)

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|---------------------------|------------------------------|
| Chair: Ivanov, Dmitry | Berlin School of Ec. and Law |
| Co-Chair: Yalaoui, Farouk | Univ. of Tech. of Troyes |

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| 16:00-16:20 | TC4.1 |
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Coordination of the Supply Chain Schedules with Re-Scheduling Considerations (I), pp. 1579-1584.

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| Ivanov, Dmitry | Berlin School of Ec. and Law |
| Sokolov, Boris | SPIIRAS |

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| 16:20-16:40 | TC4.2 |
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Integrated Supply Chain Scheduling under Multi-Level Disruptions (I), pp. 1585-1590.

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| Sawik, Tadeusz | AGH Univ. of Science & Tech |
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| 16:40-17:00 | TC4.3 |
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Hybrid Modelling Approach for the Scheduling and Control of Integrated Production and Logistic Processes Along Export Supply Chains (I), pp. 1591-1596.

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| Frazzon, Enzo Morosini | Federal Univ. of Santa Catarina |
| Albrecht, André | Federal Univ. of Santa Catarina |
| Hurtado, Paula Andrea | Federal Univ. of Santa Catarina |
| de Souza Silva, Lucas | Federal Univ. of Santa Catarina |
| Pannek, Juergen | Univ. of Bremen |

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| 17:00-17:20 | TC4.4 |
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Supply Chain Scheduling: A Motorcycle Assembly Case Study (I), pp. 1597-1602.

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| Pinha, Denis da Cruz | West Virginia Univ |
| Ahluwalia, Rashpal | West Virginia Univ |
| Carvalho, Andrea | Inst. Nacional De Tecnologia |
| Senna, Pedro | Centro Federal De Educacao Tecnologica |

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| 17:20-17:40 | TC4.5 |
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Integrated Scheduling of Material Flows and Information Services in Industry 4.0 Supply Networks (I), pp. 1603-1608.

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| Sokolov, Boris | SPIIRAS |
| Ivanov, Dmitry | Berlin School of Ec. and Law |

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| 17:40-18:00 | TC4.6 |
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On-Line Supply Chain Scheduling Problem with Capacity Limited Vehicles, pp. 1609-1614.

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| Han, Bin | Univ. of Saskatchewan |
| Zhang, Wenjun | Univ. of Saskatchewan |

TC5

Models and Methods to Support the Re-Design of Flexible Production Systems (Invited Session)

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| Chair: Fay, Alexander | Helmut Schmidt Univ |
| Co-Chair: Kampert, David | RWTH Aachen Univ |

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| 16:00-16:20 | TC5.1 |
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Systematic Reuse of Interdisciplinary Components Supported by Engineering Relations (I), pp. 1615-1622.

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| Schröck, Sebastian | Helmut-Schmidt-Univ. Hamburg |
| Zimmer, Florian | Helmut Schmidt Univ |
| Fay, Alexander | Helmut Schmidt Univ |
| Jäger, Tobias | Siemens AG |

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| 16:20-16:40 | TC5.2 |
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A Framework for Simulation, Optimization and Information Management of Physically-Coupled Systems of Systems (I), pp. 1623-1628.

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| Kampert, David | RWTH Aachen Univ |
| Nazari, Shaghayegh | Tech. Univ. Dortmund |
| Sonntag, Christian | Tech. Univ. Dortmund |
| Epple, Ulrich | RWTH Aachen Univ |
| Engell, Sebastian | TU Dortmund |

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| 16:40-17:00 | | TC5.3 |
| <i>MAKO: MAnufacturing Knowledge Organization System to Support SME (I)</i> , pp. 1629-1634. | | |
| Bruno, Giulia | | Pol. Di Torino |
| Taurino, Teresa | | Pol. Di Torino |
| Villa, Agostino | | Pol. Di Torino |
| 17:00-17:20 | | TC5.4 |
| <i>Learning Behaviour Models of Discrete Event Production Systems from Observing Input/Output Signals (I)</i> , pp. 1635-1642. | | |
| Ladiges, Jan | Helmut-Schmidt-Univ. / Univ. of the Federal Armed Forc | |
| Haubeck, Christopher | | Univ. of Hamburg |
| Fay, Alexander | | Helmut Schmidt Univ |
| Lamersdorf, Winfried | | Univ. of Hamburg |
| 17:20-17:40 | | TC5.5 |
| <i>Changeability of Manufacturing Automation Systems Using an Orchestration Engine for Programmable Logic Controllers (I)</i> , pp. 1643-1649. | | |
| Bührer, Ulrich Tobias | | Tech. Univ. München |
| Legat, Christoph | | Tech. Univ. München |
| Vogel-Heuser, Birgit | | Tech. Univ. of Munich |
| 17:40-18:00 | | TC5.6 |
| <i>A Method of Introducing CAD to Eplc for Motion Control (I)</i> , pp. 1650-1655. | | |
| Wu, Huifeng | | Hangzhou Dianzi Univ |
| Zhang, Ji | School of Computer Science and Tech. | Hangzhou Dianzi Univ |
| Simon, Rene | | Harz Univ. of Applied Sciences |

Technical Program for Wednesday May 13, 2015

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| WA1 | 209 |
| Production Planning and Scheduling - I (Regular Session) | |
| Chair: Sawik, Tadeusz | AGH Univ. of Science & Tech |
| Co-Chair: Boctor, Fayez | Univ. Laval |
| 09:15-09:30 | WA1.1 |
| <i>Robust Production Capacity Planning of a Wafer Fabrication System with Uncertain Wafer Lots Transfer Probabilities</i> , pp. 1656-1661. | |
| Chen Wenliang, Wenliang | Southeast Univ |
| Wang, Zheng | Southeast Univ |
| Chan, Felix T. S. | The Hong Kong Pol. Univ |
| 09:30-09:45 | WA1.2 |
| <i>Shapley-Based Side Payments and Simulated Annealing for Distributed Lot-Sizing</i> , pp. 1662-1667. | |
| Eslkizi, Salih | Univ. of Bremen |
| Ziebuhr, Mario | Univ. of Bremen |
| Kopfer, Herbert | Univ. of Bremen |
| Buer, Tobias | Univ. of Bremen |
| 09:45-10:00 | WA1.3 |
| <i>Finite Capacity Planning Algorithm for Semiconductor Industry Considering Lots Priority</i> , pp. 1668-1673. | |
| Mhiri, Emna | Univ. Grenoble Alpes |
| Jacomino, Mireille | Grenoble INP |
| Mangione, Fabien | Univ. Grenoble Alpes |
| Vialletelle, Philippe | STMicronics |
| Lepelletier, Guillaume | STMicronics |
| 10:00-10:15 | WA1.4 |
| <i>A No-Wait Flow Shop System with Sequence Dependent Setup Times and Server Constraints</i> , pp. 1674-1679. | |
| Samarghandi, Hamed | Univ. of Saskatchewan, Edwards School of Business |
| 10:15-10:30 | WA1.5 |
| <i>Near Optimal Scheduling of Steel-Making and Continuous Casting Process Based on Charge Splitting Policy</i> , pp. 1680-1685. | |
| Liangliang, Sun | Shenyang Jianzhu Univ |
| Luan, Fangjun | Shenyang Jianzhu Univ |
| WA2 | 210 |
| Smart Factory and Intelligent Production (Regular Session) | |
| Chair: Silva, José Reinaldo | Univ. of São Paulo |
| Co-Chair: Sasiadek, Jurek Z | Carleton Univ |
| 09:15-09:30 | WA2.1 |
| <i>Manufacturing Aspect of the IBCA Structure for Active Knowledge Content Representation in Product Model (I)</i> , pp. 1686-1691. | |
| Horváth, László | Óbuda Univ |
| Fodor, Janos | Obudai Univ |
| Rudas, Imre | Óbuda Univ |
| 09:30-09:45 | WA2.2 |
| <i>Cyber-Physical Systems Architecture for Self-Aware Machines in Industry 4.0 Environment (I)</i> , pp. 1692-1697. | |
| Bagheri, Behrad | NSF I/UCRC for Intelligent Maintenance Systems, Univ. of Ci |
| Yang, Shanhu | Univ. of Cincinnati |
| Kao, Hung-An | Univ. of Cincinnati |
| Lee, Jay | Univ. of Cincinnati |
| 09:45-10:00 | WA2.3 |
| <i>Manufacturing Service: From E-Work and Service-Oriented Approach towards a Product-Service Architecture (I)</i> , pp. 1698-1703. | |
| Silva, José Reinaldo | Univ. of São Paulo |
| Nof, Shimon Y. | Purdue Univ |
| 10:00-10:15 | WA2.4 |
| <i>Combining KAOS and GHENeSys in the Requirement and Analysis of Service Manufacturing (I)</i> , pp. 1704-1709. | |
| Silva, Javier Martínez | USP |
| Silva, José Reinaldo | Univ. of São Paulo |
| 10:15-10:30 | WA2.5 |
| <i>Robot Based Fire Detection in Smart Manufacturing Facilities</i> , pp. 1710-1715. | |

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| WA3 | 211 |
| Performance Analysis of Production Lines (Regular Session) | |
| Chair: Meerkov, Semyon M. | Univ. of Michigan |
| Co-Chair: Colledani, Marcello | Pol. Di Milano |
| 09:15-09:30 | WA3.1 |
| <i>A Method for "Sweet Point" Operation of Re-Entrant Lines</i> , pp. 1716-1721. | |
| Meerkov, Semyon M. | Univ. of Michigan |
| Yan, Chao-Bo | Univ. of Michigan |
| 09:30-09:45 | WA3.2 |
| <i>Production Control of Door Manufacturing Line at an Automotive Assembly Plant</i> , pp. 1722-1727. | |
| Zhao, Cong | Univ. of Wisconsin - Madison |
| Li, Jingshan | Univ. of Wisconsin - Madison |
| 09:45-10:00 | WA3.3 |
| <i>Improving the Performance of a New Storage and Retrieval Machine Based on a Parallel Manipulator Using FMEA Analysis</i> , pp. 1728-1733. | |
| Salah, Bashir | King Saud Univ |
| Janeh, Omar | Univ. of Duisburg-Essen |
| Bruckmann, Tobias | Univ. of Duisburg-Essen |
| Noche, Bernd | Duisburg Essen Univ |
| 10:00-10:15 | WA3.4 |
| <i>A Framework to Evaluate Performance of Disperse Productive System through the Sustainability Performance Indicators</i> , pp. 1734-1739. | |
| Watanabe, Edson Hiroshi | Univ. of Sao Paulo |
| Miyagi, Paulo Eigi | Univ. of Sao Paulo, Escola Pol |
| Junqueira, Fabrício | Escola Pol. Univ. of São Paulo |
| Santos Filho, Diolino José | Escola Pol. - Univ. of São Paulo (USP) |
| Blos, Mauricio F. | Pol. School of the Univ. of São Paulo |
| Silva, Robson Marinho da | Univ. Estadual De Santa Cruz (UESC) |
| 10:15-10:30 | WA3.5 |
| <i>Transient Analysis of Bernoulli Serial Line with Perishable Products</i> , pp. 1740-1745. | |
| Ju, Feng | Univ. of Wisconsin - Madison |
| Li, Jingshan | Univ. of Wisconsin - Madison |
| Horst, John | National Inst. of Standards and Tech |
| 10:30-10:45 | WA3.6 |
| <i>Verification of Design Rules As an Evaluation Method During the Reconfiguration Process of Production Systems</i> , pp. 1746-1751. | |
| Feno, Mahenina Remiel | LSIS |
| Ferrarini, Alain | LSIS - Lab. Des Sciences De L'information Et Des Systèmes |
| Cauvin, Aline | Lab. Des Sciences De L'information Et Des Systèmes |
| WA4 | 212 |
| Supply Chain Modelling and Optimization (Regular Session) | |
| Chair: Ivanov, Dmitry | Berlin School of Ec. and Law |
| Co-Chair: Sethi, Suresh P. | Univ. of Texas at Dallas |
| 09:15-09:30 | WA4.1 |
| <i>Ripple Effect in the Time-Critical Food Supply Chains and Recovery Policies (I)</i> , pp. 1752-1757. | |
| Dolgui, Alexandre | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Ivanov, Dmitry | Berlin School of Ec. and Law |
| Jie, Ferry | RMIT |
| Sokolov, Boris | SPIIRAS |
| Solovyeva, Inna | St. Petersburg State Univ |
| 09:30-09:45 | WA4.2 |
| <i>Building Theory of Green Supply Chain Management Using Total Interpretive Structural Modeling (TISM)</i> , pp. 1758-1764. | |
| Dubey, Rameshwar | Symbiosis International Univ. Symbiosis Inst. of Opera |

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| Gunasekaran, Angappa Bag, Surajit Fosso Wamba, Samuel | Charlton Coll. of Business, Univ. of Massachusetts Dartmouth Tega Industries Limited NEOMA Business School, Rouen |
| 09:45-10:00 | WA4.3 |
| <i>5 Steps to Supply Chain Coordination (I)*.</i> | |
| Li, Tao Sethi, Suresh P. | Santa Clara Univ. Univ. of Texas at Dallas |
| 10:00-10:15 | WA4.4 |
| <i>Designing Sustainable Supply Chain under Innovation Influence (I), pp. 1765-1769.</i> | |
| Artsiomchyk, Yuliya Zhivitskaya, Helena | Belarusian State Univ. of Informatics and Radioelectronics BSUIR (Belarusian State Univ. of Informatics and Radioelect |
| 10:15-10:30 | WA4.5 |
| <i>Supply Chain Design with Disruption Considerations: Review of Research Streams on the Ripple Effect in the Supply Chain (I), pp. 1770-1777.</i> | |
| Ivanov, Dmitry Dolgui, Alexandre Sokolov, Boris | Berlin School of Ec. and Law Ec. Nationale Supérieure Des Mines De Saint-Etienne SPIIRAS |

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| WA5 | 104 |
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| Manufacturing Systems - II (Regular Session) |
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| Chair: Battini, Daria Co-Chair: Koltai, Tamas | Univ. of Padua Budapest Univ. of Tech. and Ec |
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| 09:15-09:30 | WA5.1 |
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A Hybrid Bat Algorithm to Process Planning Problem, pp. 1778-1783.

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| Wang, Jinfeng Xiaoliang, Fan Ailin, Zhao MingQiang, Yang | North China Electric Power Univ North China Electric Power Univ North China Electric Power Univ School of Information Science and Engineering Shandong Univ |
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| 09:30-09:45 | WA5.2 |
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A Workflow Decision Support System for Achieving Customer Satisfaction in Warehouses Serving Machinery Industry, pp. 1784-1789.

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| Cheng, Stephen W.Y. Choy, K.L. Lam, Hoi Yan | The Hong Kong Pol. Univ The Hong Kong Pol. Univ The Hong Kong Pol. Univ |
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| 09:45-10:00 | WA5.3 |
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Relationship between the Design Height of the Shelves in Industrial Warehouses and Their Heat Release Rate, pp. 1790-1795.

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| Fera, Marcello Fruggiero, Fabio Lambiase, Alfredo Macchiaroli, Roberto Miranda, Salvatore | Second Univ. of Naples Univ. of Basilicata Univ. of Salerno - Department of Industrial Engineering Second Univ. of Naples - Department of Industrial and Infor Univ. of Salerno |
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| 10:00-10:15 | WA5.4 |
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Virtual Assembly of an Airplane Turbine Engine, pp. 1796-1801.

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| Ahmad, Ali Al-Ahmari, Abdulrahman M. Aslam, Muhammad Usman Abidi, Mustafa H. Darmoul, Saber | Northwestern State Univ FARCAMT, Advanced Manufacturing Inst. King Saud Univ FARCAMT, Advanced Manufacturing Inst. King Saud Univ FARCAMT, Advanced Manufacturing Inst. King Saud Univ Coll. of Engineering, King Saud Univ. Riyadh |
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| 10:15-10:30 | WA5.5 |
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An MIP Approach to Optimize the Fundamental Period of Multi-Cluster Tools System with Residency Constraints, pp. 1802-1807.

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| Wang, Zhu Bekrar, Abdelghani Trentesaux, Damien Zhou, Binghai | School of Mechanical Engineering, Tongji Univ. Shanghai, P Univ. of Valenciennes Univ. of Valenciennes School of Mechanical Engineering, Tongji Univ. Shanghai, P |
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| WA6 | 213 |
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| Information Sharing and Its Impact on Inventory Management in Production & Logistics Systems (Invited Session) |
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| Chair: Wilson, John | Ivey School-Western Univ |
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| Co-Chair: Wang, Zheng | Southeast Univ |
| 09:15-09:30 | WA6.1 |
| <i>Evaluation of the Impact of Uncertain Advance Demand Information on Production/Inventory Systems (I)</i> , pp. 1808-1813. | |
| Benbitour, Mohammed Hichame | Ec. Centrale De Paris |
| Sahin, Evren | Ec. Centrale Paris Lab. Génie Industriel |
| 09:30-09:45 | WA6.2 |
| <i>The Impact of Advance Demand Information on the Performance of Production/inventory Systems (I)</i> , pp. 1814-1819. | |
| Rostami-Tabar, Bahman | Ec. Central Paris |
| Sahin, Evren | Ec. Centrale Paris |
| 09:45-10:00 | WA6.3 |
| <i>A Robust Heuristic Algorithm for Multiple-Customers Coordinated Scheduling of Delivery and Inventory Problem (I)</i> , pp. 1820-1825. | |
| Hammoudan, Zakaria | Univ. of Tech. of Belfort-Montbéliard (SeT/UTBM) |
| Grunder, Olivier | Univ. De Tech. De Belfort-Montbéliard |
| El Moudni, Abdellah | UTBM |
| 10:00-10:15 | WA6.4 |
| <i>On the Use of Simple Moving Averages for Supply Chains Where Information Is Not Shared (I)</i> , pp. 1826-1831. | |
| Ali, Mohammad | Coventry Univ |
| Babai, Mohamed Zied | BEM Bordeaux Management School |
| Boylan, John | Lancaster Univ |
| Syntetos, Aris | Cardiff Univ |
| 10:15-10:30 | WA6.5 |
| <i>Robust Replenishment Control Policies for a Production/Inventory System with Invisible Stock Loss</i> , pp. 1832-1837. | |
| Qiao, Xue | Southeast Univ |
| Wang, Zheng | Southeast Univ |
| Chen, Haoxun | Tech. Univ. of Troyes |
| Li, Ming | Southeast Univ |

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| WA8 | 215 |
| System Identification for Manufacturing Control Applications - I (Special Session) | |

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| Chair: Bocewicz, Grzegorz | Koszalin Univ. of Tech |
| Co-Chair: Nagesh, Indira | Univ. of Warwick |
| 09:30-09:45 | WA8.2 |
| <i>A Novel Identification Scheme for Physical Systems with Applications to System Health Monitoring (I)</i> , pp. 1838-1842. | |
| Doraiswami, Rajamani | Univ. of New Brunswick |
| Cheded, Lahouari Cheded | KFUPM |
| 09:45-10:00 | WA8.3 |
| <i>Wavelet Based Fault Detection and RLS Parameter Estimation of Conductive Fibers with a Simultaneous Estimation of Time-Varying Disturbance (I)</i> , pp. 1843-1848. | |
| Schimmack, Manuel | Leuphana Univ. of Lueneburg |
| McGaw, David | Leuphana Univ. of Lueneburg |
| Mercorelli, Paolo | Leuphana Univ. of Lueneburg |
| 10:00-10:15 | WA8.4 |
| <i>Fault Detection of Slow Speed Bearings Using an Integrated Approach (I)</i> , pp. 1849-1854. | |
| Aye, Sylvester Aondolumun | Univ. of Pretoria |

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| WB1 | 209 |
| Production Planning and Scheduling - II (Regular Session) | |

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| Chair: Delorme, Xavier | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Co-Chair: Soukhal, Ameer | Univ. of Tours, France |
| 11:00-11:15 | WB1.1 |
| <i>Optimizing Series-Parallel Execution of Intersecting Blocks of Operations</i> , pp. 1855-1859. | |
| Dolgui, Alexandre | Ec. Nationale Supérieure Des Mines De Saint-Etienne, France |
| Levin, Genrikh | United Inst. of Informatics Problems, Belarus |
| Rozin, Boris | United Inst. of Informatics Problems, Belarus |
| 11:15-11:30 | WB1.2 |
| <i>Scheduling UECT Trees with Communication Delays on Two Processors with Unavailabilities</i> , pp. 1860-1865. | |
| Ben Abdellafou, Khaoula | Inst. Supérieur D'informatique Et Télécommunications |

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| Sanlaville, Eric Mahjoub, Amine Korbaa, Ouajdi | Hammam S Univ. Le Havre Coll. of Computers and Information Tech. Taif Univ ISITCom Hammam Sousse, MARS Unit |
| 11:30-11:45 | WB1.3 |
| <i>A Stochastic Model for Operating Room Unique Equipment Planning under Uncertainty</i> , pp. 1866-1871. | |
| Razmi, Jafar Yousefi, Mohammad Sadegh Barati, Mehdi | Univ. of Tehran Malek E Ashtar Univ. of Tech Univ. of Tehran |
| 11:45-12:00 | WB1.4 |
| <i>A New Heuristic Method for Solving Joint Job Shop Scheduling of Production and Maintenance</i> , pp. 1872-1878. | |
| Fnaiech, Nader Fitouri, Cyrine Varnier, Christophe Fnaiech, Farhat Zerhouni, Noureddine | ESSTT, Univ. Tunis SIME, Univ. of Tunis Femto-ST Inst ESSTT Univ. Tunis, Tunisia FEMTO-ST Inst. UMR CNRS 6174 - UFC / ENSMM / UTBM |
| 12:00-12:15 | WB1.5 |
| <i>A Memetic Algorithm for a Stochastic Lot-Sizing and Sequencing Problem</i> , pp. 1879-1884. | |
| Ksenyia, Schemeleva Delorme, Xavier Dolgui, Alexandre | Univ. of Lyon Ec. Nationale Supérieure Des Mines De Saint-Etienne Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| WB2 | 210 |
| Industrial Clusters: An Analysis on Horizontal Enterprises Networks (Invited Session) | |
| Chair: Fornasiero, Rosanna Co-Chair: Fekete Farkas, Maria | CNR Szent Istvan Univ |
| 11:00-11:15 | WB2.1 |
| <i>A Modular Approach for Integrated Inventory Management in Distribution Logistics</i> , pp. 1885-1890. | |
| Kamphues, Josef Hegmanns, Tobias | Fraunhofer Inst. for Material Flow and Logistics Fraunhofer Inst. for Material Flow and Logistics |
| 11:15-11:30 | WB2.2 |
| <i>Systematic Bibliometric Analysis of Horizontal Network of Enterprises (I)</i> , pp. 1891-1896. | |
| Pereira, Rafael Resende, Luis Mauricio Betim, Leozenir Mendes Franciele, Franciele Bonatto Von Agner, Thompson | Federal Tech. Univ. of Paraná Tech. Federal Univ. - Paraná Univ. Tecnológica Federal Do Paraná Univ. Tecnológica Federal Do Paraná Trade & Investment Promotion Bureau - Embassy of Brazil – Washin |
| 11:30-11:45 | WB2.3 |
| <i>Performance Management in Horizontal Business Networks: A Systematic Review (I)</i> , pp. 1897-1903. | |
| Franciele, Franciele Bonatto Resende, Luis Mauricio Betim, Leozenir Mendes Pereira, Rafael Von Agner, Thompson | Univ. Tecnológica Federal Do Paraná Tech. Federal Univ. - Paraná Univ. Tecnológica Federal Do Paraná Federal Tech. Univ. of Paraná Trade & Investment Promotion Bureau - Embassy of Brazil – Washin |
| 11:45-12:00 | WB2.4 |
| <i>Forecasting Supply Chain Demand by Clustering Customers</i> , pp. 1904-1909. | |
| Murray, Paul W. Agard, Bruno Barajas, Marco A. | Pol. De Montreal Pol. De Montreal Fisheries & Marine Inst. of Memorial Univ. Newfoundland |
| 12:00-12:15 | WB2.5 |
| <i>An Integrated Sustainable Partner Selection Approach with Closed-Loop Supply Chain Network Configuration</i> , pp. 1910-1915. | |
| Kafa, Nadine Hani, Yasmina El Mhamedi, Abderrahman | Univ. of Paris8 Univ. Paris 8 Univ. of Paris8 |

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| WB3 | 211 |
| Stochastic Cellular and Manufacturing System Design and Control Issues II (Special Session) | |
| Chair: Suer, Gursel | Ohio Univ |
| Co-Chair: Kaku, Ikou | Tokyo City Univ |
| 11:00-11:15 | WB3.1 |
| <i>A Discussion on Seru and Line-Seru Conversion (I)*.</i> | |
| Kaku, Ikou | Tokyo City Univ. |
| 11:15-11:30 | WB3.2 |
| <i>Minimizing Total Cost and Number of Periods with Manpower Shortages in Synchronized Manufacturing Cells (I)*.</i> | |
| Hening, Dyah | Ohio Univ. |
| Suer, Gursel | Ohio Univ. |
| 11:30-11:45 | WB3.3 |
| <i>Stochastic Capacitated Hybrid Manufacturing System Design by Using the Cell Similarity Threshold to Combine Cellular and Process Layouts (I)*.</i> | |
| Egilmez, Gokhan | North Dakota State Univ. |
| Erenay, Bulent | Department of Industrial and Systems Engineering, Ohio Univ. |
| Suer, Gursel | Ohio Univ. |
| 11:45-12:00 | WB3.4 |
| <i>Stochastic Facility Location and Capacity Allocation in Manufacturing Supply Chain Design (I)*.</i> | |
| Huang, Jing | CSX Transportation Inc. |
| Suer, Gursel | Ohio Univ. |
| WB4 | 212 |
| Internet of Things (IoT) for Supply Chain Management (SCM) (Special Session) | |
| Chair: Valverde, Raul | Concordia Univ |
| Co-Chair: Kersten, Gregory | Concordia Univ |
| 11:00-11:15 | WB4.1 |
| <i>The Effectiveness of COBIT 5 Information Security Framework for Reducing the Cyber Attacks on Supply Chain Management System (I), pp. 1916-1922.</i> | |
| Wolden, Mark | Bae Systems |
| Valverde, Raul | Concordia Univ |
| Talla, Malleswara | John Molson School of Business, Concordia Univ. Montreal |
| 11:15-11:30 | WB4.2 |
| <i>Beyond Dynamic Pricing: Dynamic Product Configuration with Auction/Negotiation Mechanisms (I), pp. 1923-1926.</i> | |
| Kersten, Gregory | Concordia Univ |
| 11:30-11:45 | WB4.3 |
| <i>The Use of Database Store Procedures for the Detection of Fraud in the Procurement Process (I), pp. 1927-1928.</i> | |
| Rasooli, Farzin | SaleFish Software |
| Valverde, Raul | Concordia Univ |
| 11:45-12:00 | WB4.4 |
| <i>An Extension Proposition for the Agent-Based Language Modeling Ontology for the Representation of Human-Driven Collaboration in Supply Chain Systems (I), pp. 1929-1936.</i> | |
| Avédissian, Arnaud | Univ. of Liverpool |
| Valverde, Raul | Concordia Univ |
| 12:00-12:15 | WB4.5 |
| <i>A Web Service for the Evaluation of the Risk of Bankruptcy of Suppliers by Using the Black-Scholes-Merton Model (I), pp. 1937-1938.</i> | |
| Valverde, Raul | Concordia Univ |
| Barrad, Sherif | Concordia Univ |
| WB5 | 104 |
| Lean and Smart Manufacturing Systems (Regular Session) | |
| Chair: Sprock, Timothy | Georgia Inst. of Tech |
| Co-Chair: Abdunour, Georges | Univ. Du Québec à Trois-Rivières |
| 11:00-11:15 | WB5.1 |
| <i>A Conceptual Model for Operational Control in Smart Manufacturing Systems (I), pp. 1939-1943.</i> | |
| Sprock, Timothy | Georgia Inst. of Tech |
| McGinnis, Leon | Georgia Inst. of Tech |

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| 11:15-11:30 | | WB5.2 |
| <i>Lean Automation Enabled by Industry 4.0 Technologies (I)</i> , pp. 1944-1949. | | |
| Kolberg, Dennis | German Res. Center for Artificial Intelligence | |
| Zuehlke, Detlef | German Res. Center for Artificial Intelligence | |
| 11:30-11:45 | | WB5.3 |
| <i>Assessment of Lean Maturity Level in Manufacturing Cells</i> , pp. 1950-1955. | | |
| Maasouman, Mohammad Ali | Concordia Univ | |
| Demirli, Kudret | Khalifa Univ. of Science, Tech. and Res | |
| 11:45-12:00 | | WB5.4 |
| <i>Operating Strategies for In-Plant Milk-Run Systems</i> , pp. 1956-1961. | | |
| Klenk, Eva | Inst. for Materials Handling, Material Flow, Logistics, Tech | |
| Galka, Stefan | Inst. for Materials Handling, Material Flow, Logistics, Tech | |
| Guenther, Willibald A. | Inst. for Materials Handling, Material Flow, Logistics, Tech | |
| 12:00-12:15 | | WB5.5 |
| <i>Tool Wear Improvement in Face-Hobbing of Bevel Gears by Re-Designing the Cutting Blades</i> , pp. 1962-1967. | | |
| Habibi, Mohsen | Concordia Univ | |
| Chen, Chevy | Concordia Univ | |
| Fang, Zixi | Concordia Univ | |
| WB6 | | 213 |
| Multimodal Data and Processes Management (Invited Session) | | |
| Chair: Tsuzuki, Marcos de Sales Guerra | Univ. of Sao Paulo | |
| Co-Chair: Zaremba, Marek B. | Univ. of Quebec | |
| 11:00-11:15 | | WB6.1 |
| <i>Development of Business Spatial Analysis Tools: Methodology and Framework</i> , pp. 1968-1973. | | |
| Daras, Gautier | Ec. Pol. De Montreal | |
| Agard, Bruno | Pol. De Montreal | |
| Cambazard, Hadrien | G-SCOP, Univ. De Grenoble | |
| Penz, Bernard | Grenoble-INP / UJF-Grenoble 1 / CNRS, G-SCOP UMR5272 Grenoble | |
| 11:15-11:30 | | WB6.2 |
| <i>Development of a Complete Methodology to Reconstruct, Optimize, Analyze and Visualize Francis Turbine Runners (I)</i> , pp. 1974-1979. | | |
| Tsuzuki, Marcos de Sales Guerra | Univ. of Sao Paulo | |
| Vatanabe, Sandro | Escola Pol. Da Univ. De Sao Paulo | |
| Castro, Emiliano Gonçalves | Escola Pol. Da Univ. De Sao Paulo | |
| Silva, Emilio Carlos Nelli | Escola Pol. Da Univ. De Sao Paulo | |
| Martins, Thiago de Castro | Univ. of Sao Paulo | |
| Taniguchi, Denis | Adoca Informatica Ltda | |
| Makiyama, Humberto | Adoca Informatica Ltda | |
| Sato, Andre Kubagawa | Escola Pol. Da Univ. De Sao Paulo | |
| Gallo, Giuliano B. | CESP | |
| Garcia, Marcos A. A. | CESP | |
| Tiba, Hamilton | CESP | |
| 11:30-11:45 | | WB6.3 |
| <i>Mathematical Modeling of Retrieval Travel Time for Flow-Rack Automated Storage and Retrieval Systems (I)</i> , pp. 1980-1985. | | |
| Ghomri, Latéfa | Abou-Bekr Belkaïd Univ. - Tlemcen | |
| Sari, Zaki | Univ. of Tlemcen | |
| 11:45-12:00 | | WB6.4 |
| <i>Intelligent Manufacturing System Conguration and Optimization Considering Mobiles Robots, Multi-Functional Machines and Human Operators: New Facilities and Challenge for Industrial Engineering (I)</i> , pp. 1986-1991. | | |
| Baboli, Armand | INSA-Lyon, DISP Lab. F-69621, France | |
| Okamoto Jr, Jun | Escola Pol. Da Univ. De São Paulo, Department of M | |
| Tsuzuki, Marcos de Sales Guerra | Univ. of Sao Paulo | |
| Martins, Thiago de Castro | Univ. of Sao Paulo | |
| Miyagi, Paulo Eigi | Univ. of Sao Paulo, Escola Pol | |
| Junqueira, Fabrício | Escola Pol. Univ. of São Paulo | |
| 12:00-12:15 | | WB6.5 |

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| WB8 | 215 |
| System Identification for Manufacturing Control Applications - II (Special Session) | |
| Chair: Nagesh, Indira | Univ. of Warwick |
| Co-Chair: Paulina, Golinska-Dawson | Poznan Univ. of Tech |
| 11:00-11:15 | WB8.1 |
| <i>Sliding Mode Observers for Plasma Signal Identification in Remote Laser Welding</i> , pp. 1998-2003. | |
| Nagesh, Indira | Univ. of Warwick |
| Agyapong-Kodua, Kwabena | Univ. of Warwick |
| 11:15-11:30 | WB8.2 |
| <i>Constraint Conditions Determination for Singularity-Free Workspace of Central Symmetric Parallel Robots (I)</i> , pp. 2004-2009. | |
| Zeng, Rui | Beihang Univ |
| Dai, Shuling | School of Automation Science and Electrical Engineering, Beihang |
| Xie, Wenfang | Concordia Univ |
| Bhat, Rama | Concordia Univ. Montreal, Canada |
| 11:30-11:45 | WB8.3 |
| <i>Dynamic Model Identification of Axial Force in Robotic Friction Stir Welding (I)</i> , pp. 2010-2015. | |
| Wang, Ke | Arts Et Métiers ParisTech |
| Leonard, Francois | ENIM |
| Abba, Gabriel | Ec. Nationale Supérieure Des Arts Et Métiers |
| WC1 | 209 |
| Project Management and Scheduling (Regular Session) | |
| Chair: Boctor, Fayez | Univ. Laval |
| Co-Chair: Gebennini, Elisa | Univ. Di Modena E Reggio Emilia |
| 13:45-14:05 | WC1.1 |
| <i>A Fuzzy-Logic Based Resource Levelling Optimisation Tool (I)</i> , pp. 2016-2021. | |
| Iyer, Parth | Univ. of Calgary |
| Brennan, Robert | Univ. of Calgary |
| 14:05-14:25 | WC1.2 |
| <i>Assessment of Makespan Performance for Flexible Process Plans in Job Shop Scheduling</i> , pp. 2022-2027. | |
| Phanden, Rakesh Kumar | Res. Scholar |
| Jain, Ajai | Professor |
| 14:25-14:45 | WC1.3 |
| <i>Production Scheduling to Optimize the Product Assortment in Case of Constrained Capacity and Customer-Driven Substitution</i> , pp. 2028-2033. | |
| Gebennini, Elisa | Univ. Di Modena E Reggio Emilia |
| Zeppetella, Luca | Univ. Di Modena E Reggio Emilia |
| Grassi, Andrea | Univ. Di Modena E Reggio Emilia |
| Rimini, Bianca | Univ. Di Modena E Reggio Emilia |
| 14:45-15:05 | WC1.4 |
| <i>Robust Approach for Centralized Job Shop Scheduling : Sequential Flexibility</i> , pp. 2034-2039. | |
| Ourari, Samia | Centre De Développement Des Tech. Avancées |
| 15:05-15:25 | WC1.5 |
| <i>An Effective Approach for the Scheduling of Refining Process with Uncertain Iterations in Steel-Making and Continuous Casting Process</i> , pp. 2040-2046. | |
| Liangliang, Sun | Shenyang Jianzhu Univ |
| Luan, Fangjun | Shenyang Jianzhu Univ |
| Pian, Jinxiang | Shenyang Jianzhu Univ |
| WC2 | 210 |
| Modeling and Control of Physical Internet Enabled Interconnected Logistics (Invited Session) | |
| Chair: Sallez, Yves | Univ. of Valenciennes |
| Co-Chair: Pan, Shenle | MINES ParisTech, PSL Res. Univ |

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| 13:45-14:05 | | WC2.1 |
| <i>Avoiding Fragmentation in Miniloading Automated Storage and Retrieval Systems</i> , pp. 2047-2051. | | |
| Tokola, Henri Alfred | | Aalto Univ |
| Niemi, Esko | | Aalto Univ |
| 14:05-14:25 | | WC2.2 |
| <i>Proposition of a Hybrid Control Architecture for the Routing in a Physical Internet Cross-Docking Hub (I)</i> , pp. 2052-2057. | | |
| Sallez, Yves | | Univ. of Valenciennes |
| Berger, Thierry | | Univ. of Valenciennes |
| Bonte, Therese | | Univ. of Valenciennes |
| Trentesaux, Damien | | Univ. of Valenciennes |
| 14:25-14:45 | | WC2.3 |
| <i>A Crowdsourcing Solution to Collect E-Commerce Reverse Flows in Metropolitan Areas (I)</i> , pp. 2058-2063. | | |
| Pan, Shenle | | MINES ParisTech, PSL Res. Univ |
| Chen, Chao | | School of Computer Science, Chongqing Univ |
| Zhong, Runyang | | Department of Industry and Manufacturing Systems Engineering, Th |
| 14:45-15:05 | | WC2.4 |
| <i>A Model to Take Advantage of Physical Internet for Vendor Inventory Management (I)</i> , pp. 2064-2069. | | |
| Yang, Yanyan | | MINES ParisTech |
| Pan, Shenle | | MINES ParisTech, PSL Res. Univ |
| Ballot, Eric | | Mines ParisTech |
| 15:05-15:25 | | WC2.5 |
| <i>Optimizing Consumer Order Delivery Consolidation in Drop-Ship Based B2C Distribution (I)</i> , pp. 2070-2075. | | |
| Naccache, Salma | | Faculté Des Sciences De L'administration, Univ. Laval |
| Montreuil, Benoit | | Faculté Des Sciences De L'administration, Univ. Laval |
| WC3 | | 211 |
| Assembly Line Balancing and Scheduling Problems - I (Invited Session) | | |
| Chair: Dolgui, Alexandre | | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Co-Chair: Delorme, Xavier | | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| 13:45-14:05 | | WC3.1 |
| <i>The Assembly Line Balancing Problem with Task Splitting: A Case Study (I)</i> , pp. 2076-2082. | | |
| Grzechca, Waldemar | | The Silesian Univ. of Tech |
| Foulds, Les | | Federal Univ. of Goias |
| 14:05-14:25 | | WC3.2 |
| <i>Estimating Processing Times within Context-Aware Manufacturing Systems (I)</i> , pp. 2083-2088. | | |
| Ringsquandl, Martin | | Ludwig-Maximilians Univ. München |
| Lamparter, Steffen | | Siemens AG |
| Lepratti, Raffaello | | Siemens AG |
| 14:25-14:45 | | WC3.3 |
| <i>On Periodicity of Cycle Time of a U-Shaped Line in Chase Mode (I)</i> , pp. 2089-2094. | | |
| Nakade, Koichi | | Nagoya Inst. of Tech |
| 14:45-15:05 | | WC3.4 |
| <i>Production and Setup Policy Optimization for Hybrid Manufacturing-Remanufacturing Systems (I)</i> , pp. 2095-2100. | | |
| Polotski, Vladimir | | Ec. De Tech. Supérieure |
| Kenné, Jean-Pierre | | École De Tech. Supérieure |
| Gharbi, Ali | | École De Tech. Supérieure |
| 15:05-15:25 | | WC3.5 |
| <i>Bin Packing Problem with General Precedence Constraints (I)</i> , pp. 2101-2103. | | |
| Dell'Amico, Mauro | | UNIMORE |
| 15:25-15:45 | | WC3.6 |
| <i>Coping with Model Variations on Parallel U-Shaped Assembly Line Configurations (I)</i> , pp. 2104-2109. | | |
| Kucukkoc, Ibrahim | | Univ. of Exeter |
| Zhang, Zhengwen | | Exeter |

Supply Network Dynamics, Disruption Management, and Control - I (Invited Session)

Chair: Kopylay, Tamas Univ. Du Québec En Outaouais
 Co-Chair: Zhong, Runyang Department of Industry and Manufacturing Systems Engineering,
 the Univ. of Hong Kong

13:45-14:05 WC4.1

A Simulation Model of a Three Echelon Supply Chain System with Multiple Suppliers Subject to Supply and Transportation Disruptions (I), pp. 2110-2114.

Hishamuddin, Hawa Univ. Kebangsaan Malaysia (UKM)
 Sarker, Ruhul Amin Univ. of New South Wales
 Essam, Daryl UNSW

14:05-14:25 WC4.2

A Neighborhood Search for a Multi-Size Container Transportation Problem (I), pp. 2115-2120.

Funke, Julia Chair of Logistics, Univ. of Bremen, 28359 Bremen
 Kopfer, Herbert Univ. of Bremen

14:25-14:45 WC4.3

Applying Bond Graphs for Modelling the Manufacturing Dynamics (I), pp. 2121-2126.

Sagawa, Juliana Federal Univ. of São Carlos
 Nagano, Marcelo Univ. of São Paulo - School of Engineering of São Carlos

14:45-15:05 WC4.4

Modeling the Supply Chain Disruptions: A Study Based on the Supply Chain Interdependencies, pp. 2127-2132.

Blos, Mauricio F. Pol. School of the Univ. of São Paulo
 Miyagi, Paulo Eigi Univ. of Sao Paulo, Escola Pol

15:05-15:25 WC4.5

Synchronizing and Improving Supply Chains through the Application of Cyber-Physical Systems, pp. 2133-2138.

Frazzon, Enzo Morosini Federal Univ. of Santa Catarina
 de Souza Silva, Lucas Federal Univ. of Santa Catarina
 Hurtado, Paula Andrea Federal Univ. of Santa Catarina

WC5

104

Evolvable and Adaptive Manufacturing Systems (Invited Session)

Chair: Sanderson, David Univ. of Nottingham
 Co-Chair: Zhang, Jiayi Univ. of Warwick

13:45-14:05 WC5.1

Evolvable Assembly Systems: A Distributed Architecture for Intelligent Manufacturing (I), pp. 2139-2144.

Chaplin, Jack Christopher Univ. of Nottingham
 Bakker, Otto Jan The Univ. of Nottingham
 de Silva, Lavindra The Univ. of Nottingham
 Sanderson, David Univ. of Nottingham
 Kelly, Emma Univ. of Nottingham
 Logan, Brian Univ. of Nottingham
 Ratchev, Svetan Univ. of Nottingham

14:05-14:25 WC5.2

Self-Organising Electronic Institutions and Flexible Manufacturing Systems (I), pp. 2145-2150.

Sanderson, David Univ. of Nottingham
 Ratchev, Svetan Univ. of Nottingham
 Kelly, Emma Univ. of Nottingham
 Busquets, Didac Imperial Coll. London
 Pitt, Jeremy Imperial Coll. London

14:25-14:45 WC5.3

Towards a Capability-Based Framework for Reconfiguring Industrial Production Systems (I), pp. 2151-2156.

Antzoulatos, Nikolas Univ. of Nottingham
 Rocha, André Cts, Uninova
 Castro, Elkin Univ. of Nottingham
 de Silva, Lavindra The Univ. of Nottingham
 Santos, Tiago Cts, Uninova
 Ratchev, Svetan Univ. of Nottingham
 Barata, Jose Univ. Nova De Lisboa

14:45-15:05 WC5.4

Automated Experience-Based Learning for Plug and Produce Assembly Systems (I), pp. 2157-2162.

| | |
|----------------------|---------------------|
| Scrimieri, Daniele | Univ. of Nottingham |
| Antzoulatos, Nikolas | Univ. of Nottingham |
| Castro, Elkin | Univ. of Nottingham |
| Ratchev, Svetan | Univ. of Nottingham |

15:05-15:25 WC5.5

Towards a Condition-Monitoring Framework for Quality Assurance in a Intelligent Single And/or Multistage Manufacturing Environment (I), pp. 2163-2168.

| | |
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| Bakker, Otto Jan | The Univ. of Nottingham |
| Ratchev, Svetan | Univ. of Nottingham |
| Popov, Atanas | Univ. of Nottingham |

15:25-15:45 WC5.6

Integrated Ontologies in Support of Factory Systems Design (I), pp. 2169-2176.

| | |
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| Zhang, Jiayi | Univ. of Warwick |
| Agyapong-Kodua, Kwabena | Univ. of Warwick |

WC6 213

Multimodal Networks Modeling and Design (Invited Session)

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|---------------------------|--------------------------------------|
| Chair: Banaszak, Zbigniew | Warsaw Univ. of Tech |
| Co-Chair: Baboli, Armand | INSA-Lyon, DISP Lab. F-69621, France |

13:45-14:05 WC6.1

Multimodal Processes Prototyping Subject to Fuzzy Operation Time Constraints (I), pp. 2177-2182.

| | |
|--------------------|------------------------|
| Bocewicz, Grzegorz | Koszalin Univ. of Tech |
| Banaszak, Zbigniew | Warsaw Univ. of Tech |
| Nielsen, Izabela | Aalborg Univ |

14:05-14:25 WC6.2

Task Allocation in Robot Systems with Multi-Modal Capabilities (I), pp. 2183-2188.

| | |
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| Hojda, Maciej | Wroclaw Univ. of Tech |
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14:25-14:45 WC6.3

A Novel Approach to Decision Support and Optimization of Group Job Handling for Multimodal Processes in Manufacturing and Services (I), pp. 2189-2194.

| | |
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| Sitek, Pawel | Kielce Univ. of Tech |
| Wikarek, Jaroslaw | Kielce Univ. of Tech |

14:45-15:05 WC6.4

Multidimensional Approach to the Supply Chain (I), pp. 2195-2200.

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|-----------------------------------|----------------------|
| Hoffa, Patrycja | Poznan Univ. of Tech |
| Jasiulewicz-Kaczmarek, Malgorzata | Poznan Univ. of Tech |
| Pawlewski, Pawel | Poznan Univ. of Tech |

15:05-15:25 WC6.5

Asynchronous Multimodal Process Approach to Cross-Docking Hub Optimization (I), pp. 2201-2206.

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| Pawlewski, Pawel | Poznan Univ. of Tech |
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15:25-15:45 WC6.6

Multimodal Approach for Modelling of the Materials Flow in Remanufacturing Process (I), pp. 2207-2212.

| | |
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| Paulina, Golinska-Dawson | Poznan Univ. of Tech |
| Pawlewski, Pawel | Poznan Univ. of Tech |

WC7 214

Maintenance and Production Control under Leasing, Warranty, and Subcontracting Constraints (Invited Session)

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| Chair: Rezg, Nidhal | Metz Univ |
| Co-Chair: Ait-Kadi, Daoud | Laval Univ |

13:45-14:05 WC7.1

Ecological and Joint Optimization of Preventive Maintenance and Spare Parts Inventories for an Optimal Production Plan (I), pp. 2213-2218.

| | |
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| Ba, Kader | Univ. De Lorraine |
| Dellagi, Sofiene | Univ. De Metz |
| Rezg, Nidhal | Metz Univ |
| Erray, Walid | ArcelorMittal MaizièRes. Res. SA |

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| 14:05-14:25 | WC7.2 |
| <i>Perturbation Analysis for Optimal Production Planning of a Manufacturing System with Subcontracting and Machine Degradation (I)</i> , pp. 2219-2226. | |
| Ayed, Souheil | Metz Univ |
| Turki, Sadok | Univ. De Lorraine |
| Hajej, Zied | Univ. De Metz |
| 14:25-14:45 | WC7.3 |
| <i>Performance Evaluation of a Hybrid Manufacturing Remanufacturing System Taking into Account the Machine Degradation (I)</i> , pp. 2227-2231. | |
| Turki, Sadok | Univ. De Lorraine |
| Hajej, Zied | Univ. De Metz |
| Rezg, Nidhal | Metz Univ |
| 14:45-15:05 | WC7.4 |
| <i>On Reliability Improvement of Second-Hand Products (I)</i> , pp. 2232-2237. | |
| Darghouth, Mohamed Noomane | Laval Univ |
| Chelbi, Anis | Ec. Supérieure Des Sciences Et Tech. De Tunis |
| Ait-Kadi, Daoud | Laval Univ |
| 15:05-15:25 | WC7.5 |
| <i>Generalized Reliability Models and Preventive Maintenance Policy for Systems Subject to Competing Dependent Failure Processes (I)</i> , pp. 2238-2243. | |
| Tlili, Lazhar | Univ. of Tunis, Ec. Supérieure Dessciencesettechniques De |
| Radhoui, Mehdi | Of Carthage, Ec. Supérieure De Tech. Etd'informatique, C |
| Chelbi, Anis | Ec. Supérieure Des Sciences Et Tech. De Tunis |
| Rezg, Nidhal | Metz Univ |
| 15:25-15:45 | WC7.6 |
| <i>An Optimal Maintenance Policy for a Two-Unit Production System Using a Proportional Hazards Model</i> , pp. 2244-2249. | |
| Jafari, Leila | Univ. of Toronto |
| Naderkhani, Farnoosh | Univ. of Toronto |
| Makis, Viliam | Univ. of Toronto |
| WC8 | 215 |
| Control Theory and Applications (Regular Session) | |
| Chair: Ponce, Pedro | ITESM-CCM |
| Co-Chair: Suleiman, Wael | Univ. De Sherbrooke |
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| Grossard, Mathieu | Cea List |
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| <i>A Traffic Signal Control Policy for Emergency Vehicles Preemption Using Timed Petri Nets</i> , pp. 2257-2262. | |
| Huang, Yi-Sheng | National Ilan Univ |
| Jang-Yi Shiue, Jang-Yi | National Ilan Univ |
| Luo, Jiliang | Huaqiao Univ |
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| <i>Supervisory Control Based on Behavioral Constraints Using a Class of Linear Inequalities</i> , pp. 2263-2268. | |
| Núñez, Alexander | Centro De Investigación Y Estudios Avanzados Del IPN |
| Sanchez, Arturo | Centro De Investigacion Y Estudios Avanzados |
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| <i>Interval Type 2 Fuzzy Logic Controller for Rotor Voltage of a Doubly-Fed Induction Generator and Pitch Angle of Wind Turbine Blades</i> , pp. 2269-2276. | |
| Villanueva, Iván Salvador | Inst. Tecnológico Y De Estudios Superiores De Monterrey Camp |
| Ponce, Pedro | ITESM-CCM |
| Molina, Arturo | Tecnologico De Monterrey |
| 15:25-15:45 | WC8.6 |
| <i>Experimental Study for Fpga Pid Position Controller in Cnc Micro-Machines</i> , pp. 2277-2281. | |
| Ponce, Pedro | ITESM-CCM |
| Molina, Arturo | Tecnologico De Monterrey |
| Tello-Albarran, Guillermo | ITESM |
| Ibarra, Luis | ITESM-CCM |

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| Chair: Shen, Weiming | National Res. Council |
| Co-Chair: Whitman, Lawrence | Wichita State Univ |
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| Xu, Xinkai | Concordia Univ |
| Wang, Chun | Concordia Univ |
| Zeng, Yong | Concordia Univ |
| Deng, Xiaoguang | Concordia Univ |
| Wang, Hansong | Concordia Univ |
| Barklon, Daniil | Proship Entertainment Inc |
| Thibault, Daniel | Proship Entertainment Inc |
| 16:15-16:30 | WD1.2 |
| <i>An Adaptive Process Planning Method Based on Features and Intelligent Agents for the Manufacturing of Large-Scale Parts (I)</i> , pp. 2288-2293. | |
| Liu, Changqing | Coll. of Mechanical and Electrical Engineering, Nanjing Univ |
| Li, Yingguang | Nanjing Univ. of Aeronautics and Astronautics |
| Shao, Wenyao | Coll. of Mechanical and Electrical Engineering, Nanjing Univ |
| Shen, Weiming | National Res. Council |
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| <i>Aligning Enterprise Analytics to Business Process Capability Maturity (I)</i> , pp. 2294-2299. | |
| Whitman, Lawrence | Wichita State Univ |
| Huffman, John | Spirit Aerosystems |
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| Falguieres, Maelle | Bristol Business School, Univ. of the West of England |
| Kumar, Vikas | Bristol Business School, Univ. of the West of England |
| Garza-Reyes, Jose Arturo | Centre for Supply Chain Improvement, the Univ. of Derby |
| Kumari, Archana | Bristol Business School, Univ. of the West of England |
| Ming K., Lim | Centre for Supply Chain Improvement, the Univ. of Derby |
| Rocha-Lona, Luis | Business School, National Pol. Inst. of Mexico |
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| Yang, Tianjian | Beijing Univ. of Posts and Telecommunications |
| Wu, Bing | Beijing Univ. of Posts and Telecommunications |
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| Chair: Romero, David | Tecnológico De Monterrey |
| Co-Chair: Chen, David | Univ. Bordeaux I |
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| Amokrane, Nawel | Ec. Des Mines D'alès |
| Chapurlat, Vincent | Ec. Des Mines D'alès |
| Courbis, Anne-Lise | LGI2P - Ec. Des Mines D'alès |
| Lambolais, Thomas | Ec. Des Mines D'alès |
| Rahhou, Mohssine | Ec. Des Mines D'alès |
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| <i>Framework for Manufacturing Servitization in Virtual Enterprise Environment and Ecosystem (I)</i> , pp. 2318-2323. | |
| Chen, David | Univ. Bordeaux I |
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| Rabelo, Ricardo | Federal Univ. of Santa Catarina |

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| Bernus, Peter | Griffith Univ |
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| Romero, David | Tecnológico De Monterrey |
| Noran, Ovidiu | Griffith Univ |
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| Ounifi, Hibat Allah | Ec. De Tech. Supérieure (ÉTS) |
| Ouhimmou, Mustapha | École De Tech. Supérieure |
| Paquet, Marc | Ec. De Tech. Superieure |
| Montecinos, Julio | École De Tech. Supérieure (ÉTS) |
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| Estombelo Montesco, Richard A | Federal Univ. of Sergipe |
| Pessoa, Marcosiris Amorim de Oliveira | Univ. of Sao Paulo |
| Blos, Mauricio F. | Pol. School of the Univ. of São Paulo |

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| Chair: Dolgui, Alexandre | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Co-Chair: Delorme, Xavier | Ec. Nationale Supérieure Des Mines De Saint-Etienne |

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| Dolgui, Alexandre | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Kovalev, Sergey | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Kovalyov, Mikhail Y. | United Inst. of Informatics Problems |
| Malyutin, Sergey | Ec. Nationale Supérieure Des Mines De Saint-Etienne |
| Soukhal, Ameer | Univ. of Tours, France |

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| Ratti, Andrea | Pol. Di Milano |
| Franchini, Francesco | Enginesoft |
| Taurisano, Antonio | Enginesoft |
| Micchetti, Francesco | Enginesoft |

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| Roshani, Abdolreza | Univ. of Genova |
| Giglio, Davide | Univ. of Genova |

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| Roshani, Abdolreza | Univ. of Genova |
| Giglio, Davide | Univ. of Genova |

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| Zupan, Hugo | Univ. of Ljubljana, Faculty of Mechanical Engineering |
| Herakovic, Niko | Univ. of Ljubljana |

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| Gyulai, Dávid | Fraunhofer Project Center, SZTAKI |
| Monostori, Laszlo | Fraunhofer Project Center, SZTAKI |
| Kadar, Botond | Fraunhofer Project Center, SZTAKI |

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| Chair: Tsuzuki, Marcos de Sales Guerra | Univ. of Sao Paulo |
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| Rodrigo Juliano, Silva | Univ. of Sao Paulo |
| Franco Barbosa, Gustavo | Univ. of Sao Paulo |
| Carvalho, Jonas de | Univ. of S. Paulo |
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| Michikawa, Takashi | Osaka Univ |
| Suzuki, Hiromasa | The Univ. of Tokyo |
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| Hedrick, Robert William | CAMufacturing Solutions Inc |
| Urbanic, Ruth Jill | Univ. of Windsor |
| Burford, Christopher George | Camufacturing Solutions Inc |
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| Marchesi, Tadeus | Escola Pol. Da USP |
| Lahuerta, Ricardo | Escola Pol. Da USP |
| Silva, Emilio Carlos Nelli | Escola Pol. Da Univ. De Sao Paulo |
| Tsuzuki, Marcos de Sales Guerra | Univ. of Sao Paulo |
| Martins, Thiago de Castro | Univ. of Sao Paulo |
| Barari, Ahmad | Univ. of Ontario Inst. of Tech |
| Wood, Ian | Univ. of Ontario Inst. of Tech |
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| Barari, Ahmad | Univ. of Ontario Inst. of Tech |
| Jamiolahmadi, Saeed | Univ. of Ontario Inst. of Tech |
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| Fadhel, Nawfal | Electronic and Computer Science, Univ. of Southampton |
| Crowder, Richard | Univ. of Southampton, Southampton |
| Wills, Gary | Electronic and Computer Science, Univ. of Southampton |
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| Chair: Bogataj, Marija | Mediterranean Inst. for Advanced Studies |
| Co-Chair: Mossa, Giorgio | Pol. of Bari |
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| <i>Cooperative Driving Experiments Based on a 3D Components Environment (I)</i> , pp. 2425-2429. | |
| Colmenares, Giancarlo | Univ. Nacional Experimental Del Táchira |
| Benyahia, Ilham | Univ. Du Québec En Outaouais |
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| <i>A Cyber – Based DSS for a Low Carbon Integrated Waste Management System in a Smart City (I)</i> , pp. 2430-2435. | |
| Digiesi, Salvatore | Pol. of Bari |
| Facchini, Francesco | Pol. Di Bari |
| Mossa, Giorgio | Pol. of Bari |
| Mummolo, Giovanni | Pol. of Bari |
| Verriello, Rossella | Pol. Di Bari |
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| <i>Optimal Allocation of Public Service Centres in the Central Places of Functional Regions (I)</i> , pp. 2436-2441. | |
| Drobne, Samo | Univ. of Ljubljana, Faculty of Civil and Geodetic Engineeri |
| Bogataj, Marija | Mediterranean Inst. for Advanced Studies |
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| Moutaoukil, Abdelhamid | Ec. Des Mines of Saint-Etienne |

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An Optimal Ordering Cycle at Interactions of Fuzzy Parameters and High Disposal Fees of Food or Drug Supply Systems (I), pp. 2448-2453.

Bogataj, Marija
Tuljak-Suban, Danijela

Mediterranean Inst. for Advanced Studies
Univ. OF LJUBLJANA, Faculty of Maritime Studies and Transpo

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Integration of Quality and Production Controls (Special Session)

Chair: Colledani, Marcello

Pol. Di Milano

Co-Chair: Bassetto, Samuel

Pol. Montreal

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Multidimensional Analyses of Manufacturing Processes: Process Capability within the Case Study Shape Drill Manufacturing (I), pp. 2454-2460.

Bracke, Stefan

Univ. of Wuppertal

Backes, Bianca

Univ. of Wuppertal

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Towards Lean and Resilient Production (I), pp. 2461-2466.

Puchkova, Alena

Univ. of Cambridge

Srinivasan, Rengarajan

Univ. of Cambridge

McFarlane, Duncan Campbell

Univ. of Cambridge

Thorne, Alan

Univ. of Cambridge

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Real-Time Machine-Vision-System for an Automated Quality Monitoring in Mass Production of Multi-axial Non-Crimp Fabrics, pp. 2467-2472.

Schmitt, Robert

Werkzeugmaschinenlabor WZL

Fürtjes, Tobias

RWTH Aachen

Abbas, Bahoz

Assoc. Inst. for Management Cybernetics E.v. (IfU)

Abel, Philipp

Inst. of Textile Tech. (ITA)

Kimmelman, Walter

Lab. for Machine Tools and Production Engineering (WZL)

Kosse, Philipp

Lab. for Machine Tools and Production Engineering (WZL)

Buratti, Andrea

Lab. for Machine Tools and Production Engineering (WZL)

16:45-17:00

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Lead-Time Oriented Production Control Policies in Two-Machine Production Lines (I), pp. 2473-2478.

Angius, Alessio

Univ. of Turin, Italy

Colledani, Marcello

Pol. Di Milano

Horvath, Andras

Univ. of Turin, Italy

WD8

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Automation and Robotics (Regular Session)

Chair: Sasiadek, Jurek Z

Carleton Univ

Co-Chair: Crowder, Richard

Univ. of Southampton

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Exogenous Fault Detection and Recovery for Swarm Robotics, pp. 2479-2484.

Khadidos, Adil

Univ. of Southampton

Crowder, Richard

Univ. of Southampton

Chappell, Paul H

Univ. of Southampton

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Bayesian Network Building for Diagnosis in Industrial Domain Based on Expert Knowledge and Unitary Traceability Data, pp. 2485-2490.

Diallo, Thierno M.L.

DISP Lab. Univ. of Lyon 1

Henry, Sébastien

DISP Lab. Univ. of Lyon, Univ. Lyon 1

Ouzrout, Yacine

DISP Lab. Univ. of Lyon, Univ. Lyon 2

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Soete, Nicolas

UGent

Claeys, Arno

Ghent Univ

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| Hoedt, Steven | UGhent |
| Mahy, Ben | Sagility |
| Cottyn, Johannes | Ghent Univ |
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| Daniel, Yapi | Univ. Du Québec En Outaouais |
| Mejri, Marouene | UQO |
| Allili, Mohand Said | UQO |
| Nadia, Baaziz | Univ. Du Québec En Outaouais |
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| Ibarra, Luis | ITESM-CCM |
| Ponce, Pedro | ITESM-CCM |
| Molina, Arturo | Tecnologico De Monterrey |
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| Ponce, Pedro | ITESM-CCM |
| Molina, Arturo | Tecnologico De Monterrey |

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| Bernard, Alain | TA2.3 | 867 |
| | TB5.5 | 1244 |
| Bernus, Peter | WD2.3 | 2324 |
| Berrah, Lamia | TB5.6 | 1250 |
| Betim, Leozenir Mendes | WB2.2 | 1891 |
| ..... | WB2.3 | 1897 |
| Bettenhausen, Kurt Dirk | MC2 | C |
| ..... | MC2.4 | 599 |
| Bhaktavatchalam, Sriram | MB7.2 | 485 |
| Bhat, Rama | WB8.2 | 2004 |
| Bjørberg, Svein | MA5.5 | 158 |
| Blos, Mauricio F. | MC4.5 | 672 |
| ..... | TPoster.11 | 1348 |
| ..... | WA3.4 | 1734 |
| ..... | WC4.4 | 2127 |
| ..... | WD2.6 | 2347 |
| Bocewicz, Grzegorz | WA8 | C |
| ..... | WC6.1 | 2177 |
| Boctor, Fayez | TC1 | C |
| ..... | TC1.3 | 1482 |
| ..... | WA1 | CC |
| ..... | WC1 | C |
| Boenzi, Francesco | MC3.5 | 636 |
| Bogataj, Marija | WD6 | C |
| ..... | WD6.3 | 2436 |
| ..... | WD6.5 | 2448 |
| Boge, Knut | MA5.5 | 158 |
| Bolduc, Marie-Claude | TC1.3 | 1482 |
| Bonfanti, Silvia | TA2.1 | 855 |
| Bonte, Therese | WC2.2 | 2052 |
| Bookbinder, James H. | TB5.1 | 1219 |
| Borangiu, Theodor | TB2.1 | 1137 |
| Bordukov, Dmitry | TPoster.21 | 1404 |
| Botti, Lucia | MC3.4 | 630 |
| Bouanan, Youssef | MC3.3 | 624 |
| Bouchard, Stéphane | MA2.2 | 46 |
| Bouguerra, Afef | MA4.3 | 118 |
| Boukachour, Jaouad | MB6.1 | 443 |
| Boukhalfi, Tarik | MA2.2 | 46 |
| Boukherroub, Tassedat | MC4.3 | 660 |
| Bourdeaud'huy, Thomas | MB6.3 | 455 |
| Boylan, John | WA6.4 | 1826 |
| Bracke, Stefan | WD7.1 | 2454 |
| Brennan, Robert | TC2.1 | 1505 |
| ..... | WC1.1 | 2016 |
| Breyse, Denys | MC1.5 | 567 |
| Bricogne, Matthieu | TA2.4 | 873 |
| Brisco, Brian | MA7 | CC |
| ..... | MA7.1 | 210 |
| Brousseau, Gilles | MA4.6 | 127 |
| Bruckmann, Tobias | WA3.3 | 1728 |
| Bruno, Giulia | TC5.3 | 1629 |
| Buer, Tobias | WA1.2 | 1662 |
| Bührer, Ulrich Tobias | TC5.5 | 1643 |
| Buratti, Andrea | WD7.3 | 2467 |
| Burford, Christopher George | WD5.3 | 2401 |
| Busquets, Didac | WC5.2 | 2145 |
| C | | |
| Cabani, Adnane | MB6.1 | 443 |
| Calzavara, Martina | MB3.6 | 366 |
| Cambazard, Hadrien | WB6.1 | 1968 |
| Campos-Ciro, Guillermo | MC7.1 | 748 |
| Cao, Hui | MB5.5 | 431 |
| Cao, Min | TA4.3 | 935 |
| Caputo, Antonio Casimiro | MB3.5 | 359 |
| Cardin, Olivier | TB2 | C |
| | TB2.3 | 1149 |
| | TB2.4 | 1155 |

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| | TB2.5 | 1161 |
| Carrier, Marc | MA4.5 | 125 |
| Carvalho, Andrea | TA1.2 | 827 |
| | TC4.4 | 1597 |
| Carvalho, Jonas de | WD5.1 | 2392 |
| Castagna, Pierre | TB2.4 | 1155 |
| ..... | TB2.5 | 1161 |
| Castelain, Emmanuel | MB6.3 | 455 |
| Castro, Elkin | WC5.3 | 2151 |
| ..... | WC5.4 | 2157 |
| Castro, Emiliano Gonçalves | WB6.2 | 1974 |
| Cauvin, Aline | WA3.6 | 1746 |
| Cavalieri, Sergio | TA7.6 | 1057 |
| ..... | TC2 | CC |
| ..... | TC2.3 | 1517 |
| Chaabane, Amin | MB4 | CC |
| ..... | MB4.3 | 383 |
| Chabchoub, Habib | MA5.4 | 150 |
| Chabou, Samir | MA4.7 | 129 |
| Chabriac, Claudie | MA6.3 | 183 |
| Chan, Felix T. S. | MC6 | C |
| ..... | WA1.1 | 1656 |
| Chang, Yoon Seok | TB1.2 | 1105 |
| ..... | TC1.6 | 1500 |
| Chaplin, Jack Christopher | WC5.1 | 2139 |
| Chappell, Paul H | WD8.1 | 2479 |
| Chapurlat, Vincent | WD2.1 | 2312 |
| Chatras, Clément | TB1.4 | 1117 |
| ..... | TB1.5 | 1123 |
| Chauhan, Satyaveer | MB6.6 | 473 |
| ..... | MC6.1 | 718 |
| ..... | TB1 | CC |
| Chavarría, Dante | MA2.4 | 58 |
| Chebel Morello, Brigitte | MC8.2 | 794 |
| Cheded, Lahouari Cheded | WA8.2 | 1838 |
| Chehade, Hicham | MC7.3 | 760 |
| Cheikhrouhou, Naoufel | TA4.1 | 923 |
| Chelbi, Anis | WC7.4 | 2232 |
| ..... | WC7.5 | 2238 |
| Chemweno, Peter Kipruto | TA7.3 | 1039 |
| Chen, Chao | WC2.3 | 2058 |
| Chen, Chevy | MC5.5 | 707 |
| ..... | WB5.5 | 1962 |
| Chen, David | WD2 | CC |
| ..... | WD2.2 | 2318 |
| Chen, Haoxun | WA6.5 | 1832 |
| Chen, Jingbo | MA2.5 | 64 |
| Chen, Junru | TA4.5 | 943 |
| Chen, Wanying | MA6.4 | 189 |
| Chen, Xiaoli | MA1.4 | 21 |
| Chen Wenliang, Wenliang | WA1.1 | 1656 |
| Cheng, Stephen W.Y. | WA5.2 | 1784 |
| Chernyavskiy, Alexandr | TPoster.21 | 1404 |
| Chernyshov, Kirill | TPoster.15 | 1372 |
| ..... | TPoster.23 | 1411 |
| Chetouane, Fatah | MB5 | CC |
| ..... | MB5.1 | 407 |
| Chiacchio, Ferdinando | MC3.6 | 642 |
| Chien, Chen-Fu | TA3.2 | 902 |
| Chinniah, Yuvin | MC1.6 | 573 |
| Chistov, Dmitry | TPoster.22 | 1409 |
| Choy, K.L. | WA5.2 | 1784 |
| Chraibi, Abdelahad | TB3.6 | 1198 |
| Claeys, Arno | TA5.4 | 974 |
| ..... | WD8.3 | 2491 |
| Cohn, Sorin | MC1.3 | 553 |
| Collart-Dutilleul, Simon | TA1.6 | 849 |
| Colledani, Marcello | WA3 | CC |
| ..... | WD3.2 | 2361 |
| ..... | WD7 | C |
| ..... | WD7.4 | 2473 |
| Colmenares, Giancarlo | TPo8.2 | 1262 |
| ..... | WD6.1 | 2425 |
| Cologni, Alberto Luigi | TA2 | CC |
| ..... | TA2.1 | 855 |
| ..... | TA5.6 | 986 |
| Compagno, Lucio | MC3.6 | 642 |
| Cordes, Ann-Kristin | TA7.2 | 1033 |
| Corniere, Alberic | MB2.2 | 304 |

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| | MC2.5 | 605 |
| Cosic, Ilija | TA3.5 | 915 |
| Cottyn, Johannes | TA5.4 | 974 |
| | WD8.3 | 2491 |
| Courbis, Anne-Lise | WD2.1 | 2312 |
| Couturier, Pierre | MC7.2 | 754 |
| Cretu, Ana-Maria | TPo8 | C |
| Crowder, Richard | WD5.6 | 2419 |
| ..... | WD8 | CC |
| ..... | WD8.1 | 2479 |
| Cruz, Benitez, Diana Patricia | TPoster.31 | 1459 |
| Cung, Van-Dat | MA3.2 | 76 |
| D | | |
| D'Urso, Diego | MC3.6 | 642 |
| Daaboul, Joanna | TA2.4 | 873 |
| Dafaoui, El Mouloudi | MB6.2 | 449 |
| Dahane, Mohammed | MB7 | CC |
| Dai, Shuling | WB8.2 | 2004 |
| Daniel, Yapi | WD8.4 | 2497 |
| Danioko, Fadaba | MA5.3 | 145 |
| Daras, Gautier | WB6.1 | 1968 |
| Darghouth, Mohamed Noomane | WC7.4 | 2232 |
| Darmoul, Saber | MA3.6 | 100 |
| ..... | MA6.1 | 170 |
| ..... | MB5.6 | 437 |
| ..... | TB5.4 | 1237 |
| ..... | WA5.4 | 1796 |
| Davila, Juan Carlos | TPo8.6 | 1278 |
| ..... | WB6.5 | 1992 |
| De, Arijit | MB4.4 | 389 |
| De Carlo, Filippo | MB7.4 | 494 |
| De Felice, Fabio | MC7.5 | 774 |
| De Koster, René B.M. | MB6 | C |
| ..... | MC3.1 | 617 |
| ..... | TB4.1 | 1204 |
| de Silva, Lavindra | WC5.1 | 2139 |
| ..... | WC5.3 | 2151 |
| de Souza, Mauricio C. | MB1.6 | 293 |
| de Souza Silva, Lucas | TC4.3 | 1591 |
| ..... | WC4.5 | 2133 |
| de Vos, Marcel | MA5 | C |
| ..... | MA5.1 | 133 |
| Dell'Amico, Mauro | WC3.5 | 2101 |
| Dellagi, Sofiene | WC7.1 | 2213 |
| Delorme, Xavier | MC3.2 | 618 |
| ..... | WB1 | C |
| ..... | WB1.5 | 1879 |
| ..... | WC3 | CC |
| ..... | WD3 | CC |
| Demirli, Kudret | WB5.3 | 1950 |
| Deng, Xiaoguang | WD1.1 | 2282 |
| Derrouiche, Ridha | WD6.4 | 2442 |
| Desheng, Wu | MC1.1 | 541 |
| Dhingra, Vibhuti | TB4.4 | 1214 |
| Dhuieb, Mohamed Anis | TA2.3 | 867 |
| Di Mauro, Carmela | MC3.6 | 642 |
| Di Pasquale, Valentina | MB3.4 | 353 |
| Diallo, Claver | MB7.2 | 485 |
| ..... | TB4.6 | 1217 |
| Diallo, Thierno M.L. | WD8.2 | 2485 |
| Díaz-Madroño, Manuel | MB1.1 | 263 |
| Digiesi, Salvatore | MC3.5 | 636 |
| ..... | WD6.2 | 2430 |
| Dolgui, Alexandre | MA3 | C |
| ..... | MA3.1 | 70 |
| ..... | MA3.2 | 76 |
| ..... | MB1 | C |
| ..... | MB1.3 | 275 |
| ..... | MC3.2 | 618 |
| ..... | WA4.1 | 1752 |
| ..... | WA4.5 | 1770 |
| ..... | WB1.1 | 1855 |
| ..... | WB1.5 | 1879 |
| ..... | WC3 | C |
| ..... | WD3 | C |
| ..... | WD3.1 | 2355 |
| Doraiswami, Rajamani | WA8.2 | 1838 |
| Dorofeyuk, Alexander | TPoster.21 | 1404 |
| Dorofeyuk, Julia | TPoster.21 | 1404 |

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|-------------------------------------|------------|------|
| Dotoli, Mariagrazia | MA2 | C |
| | MB5.3 | 419 |
| | MC4.4 | 666 |
| Dovere, Emanuele | TA2.1 | 855 |
| | TA7.6 | 1057 |
| Doyon, Frederik | MA7.5 | 222 |
| Drobne, Samo | WD6.3 | 2436 |
| Du, Shichang | TA8.1 | 1063 |
| Dubey, Rameshwar | WA4.2 | 1758 |
| Ducq, Yves | MC1.5 | 567 |
| Ducros, Margaux | MC4.6 | 678 |
| Dugardin, Frédéric | MC7.1 | 748 |
| Duhamel, Christophe | TA5.5 | 980 |
| Dumetz, Ludwig | MC4.2 | 654 |
| E | | |
| Egilmez, Gokhan | WB3.3 | * |
| Ekren, Banu | TB4.2 | 1205 |
| El Haouzi, Bril, Hind | MC4.2 | 654 |
| El Hilali Alaoui, Ahmed | MB6.1 | 443 |
| El Mhamedi, Abderrahman | MA5.3 | 145 |
| ..... | MB6.2 | 449 |
| ..... | TB1.3 | 1111 |
| ..... | WB2.5 | 1910 |
| El Moudni, Abdellah | WA6.3 | 1820 |
| El Safadi, EL Abed | MC1.4 | 561 |
| El-Kass, Wassim | MA4 | CC |
| ..... | MA4.2 | 112 |
| Elbeqqali, Omar | TB3.6 | 1198 |
| Elbounjimi, Mbarek | MB4.6 | 403 |
| Elizarova, Natalya | TPoster.1 | 1294 |
| Elkosantini, Sabeur | MA5.4 | 150 |
| ..... | MA6.1 | 170 |
| ElMaraghy, Hoda | TA5 | C |
| ..... | TC3.4 | 1560 |
| Elshaabiny, Moustafa | TA8.5 | 1087 |
| En-nahli, Laila | MC6.4 | 731 |
| Engell, Sebastian | TC5.2 | 1623 |
| Epicoco, Nicola | MC4.4 | 666 |
| Epple, Ulrich | TC5.2 | 1623 |
| Erenay, Bulent | WB3.3 | * |
| Erray, Walid | WC7.1 | 2213 |
| Eslikizi, Salih | WA1.2 | 1662 |
| Espindola, Danubia | TA7.2 | 1033 |
| Essam, Daryl | WC4.1 | 2110 |
| Estombelo Montesco, Richard A | WD2.6 | 2347 |
| Eynard, Benoit | TA2.4 | 873 |
| F | | |
| Fabian, Martin | TA8.4 | 1080 |
| Fabricio, Romulo | MA1.3 | 14 |
| Facchini, Francesco | WD6.2 | 2430 |
| Fadhel, Nawfal | WD5.6 | 2419 |
| Falagario, Marco | MC4.4 | 666 |
| Falguieres, Maelle | WD1.4 | 2300 |
| Falkman, Petter | TA8.4 | 1080 |
| Fan, Xiumin | TA3.6 | 917 |
| Fang, Zixi | MC5.5 | 707 |
| ..... | WB5.5 | 1962 |
| Fasanotti, Luca | TA2.1 | 855 |
| ..... | TC2.3 | 1517 |
| Faure, Jean-Marc | MB8.5 | 535 |
| Fay, Alexander | MB5.3 | 419 |
| ..... | TC5 | C |
| ..... | TC5.1 | 1615 |
| ..... | TC5.4 | 1635 |
| Fekete Farkas, Maria | MC1 | CC |
| ..... | MC1.3 | 553 |
| ..... | WB2 | CC |
| Feldmann, Stefan | MA8.2 | 232 |
| ..... | TA5.3 | 966 |
| Feng, YiPing | TA1.3 | 833 |
| Feno, Mahenina Remiel | WA3.6 | 1746 |
| Fera, Marcello | MC7.4 | 766 |
| ..... | TPoster.16 | 1378 |
| ..... | WA5.3 | 1790 |
| Ferrara, Andrea | TC1.1 | 1471 |
| Ferrarini, Alain | WA3.6 | 1746 |
| Ferreira, Adriano | TB2.3 | 1149 |
| Ferreira, Angela | TB2.3 | 1149 |

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| Ferreira, Jose | MA2.1 | 38 |
| Fidan, Baris | TPoster.14 | 1366 |
| | TPoster.20 | 1398 |
| Filipas Deniaud, Ioana | TA6.1 | 992 |
| Fischer, Susanne | TA8.5 | 1087 |
| Fitouri, Cyrine | WB1.4 | 1872 |
| Flaus, Jean-Marie | MC1.4 | 561 |
| ..... | TA6.4 | 1010 |
| Fnaiech, Farhat | WB1.4 | 1872 |
| Fnaiech, Nader | WB1.4 | 1872 |
| Fodor, Janos | WA2.1 | 1686 |
| Forestier, Mathilde | MC3.3 | 624 |
| Fornasiero, Rosanna | TC1.5 | 1494 |
| ..... | WB2 | C |
| Fortineau, Virginie | MB2 | CC |
| ..... | MB2.2 | 304 |
| ..... | MB2.3 | 309 |
| ..... | MC2.5 | 605 |
| Fosso Wamba, Samuel | WA4.2 | 1758 |
| Foulds, Les | WC3.1 | 2076 |
| Foulloy, Laurent | TB5.6 | 1250 |
| Foyo-Valdés, Sergio | MA6.5 | 196 |
| Franchini, Francesco | WD3.2 | 2361 |
| Franciele, Franciele Bonatto | WB2.2 | 1891 |
| ..... | WB2.3 | 1897 |
| ..... | WD5.1 | 2392 |
| Franco Barbosa, Gustavo | MB6.4 | 461 |
| Frayret, Jean-Marc | TA7.2 | 1033 |
| Frazzon, Enzo Morosini | TC4.3 | 1591 |
| ..... | WC4.5 | 2133 |
| ..... | TB3.1 | 1172 |
| Fredendall, Lawrence | TA6.6 | 1022 |
| Freires, Francisco Gaudencio | MC7.4 | 766 |
| Fruggiero, Fabio | WA5.3 | 1790 |
| ..... | TA4.5 | 943 |
| Fujimura, Shigeru | TA7.4 | 1045 |
| Fumagalli, Luca | TC2.4 | 1523 |
| ..... | WC4.2 | 2115 |
| Funke, Julia | MB6.4 | 461 |
| Furtado, Pedro | WD7.3 | 2467 |
| Fürtjes, Tobias | | |
| G | | |
| Gaggero, Mauro | TB1.1 | 1099 |
| Gagnon, Stephane | MA4.1 | 106 |
| ..... | MA4.2 | 112 |
| Galegale, Napoleão | MA1.3 | 14 |
| Galka, Stefan | WB5.4 | 1956 |
| Gallo, Giuliano B. | WB6.2 | 1974 |
| Gamboia Quintanilla, Francisco | TB2.5 | 1161 |
| Gao, Jianmin | MA8.3 | 240 |
| ..... | TC1.4 | 1488 |
| Gao, Qiong | MA2.5 | 64 |
| Gao, Zhiyong | MA8.3 | 240 |
| Garcia, Marcos A. A. | WB6.2 | 1974 |
| Garza-Reyes, Jose Arturo | WD1.4 | 2300 |
| Garzon Garnica, Eduardo Arturo | TPoster.31 | 1459 |
| Gaudreault, Jonathan | MC4 | C |
| ..... | MC4.2 | 654 |
| Gautam, Shuva | MC4.1 | 648 |
| Gazimov, Ruslan | TPoster.3 | 1306 |
| Gebennini, Elisa | WC1 | CC |
| ..... | WC1.3 | 2028 |
| Gendreau, Michel | MC7.6 | 780 |
| Genkin, Arkady | TPoster.3 | 1306 |
| Ghaemi, Mohammad Sajjad | MB6.5 | 467 |
| Ghaleb, Mageed | TB5.4 | 1237 |
| Gharbi, Ali | MB7.6 | 506 |
| ..... | TPo8.1 | 1256 |
| ..... | WC3.4 | 2095 |
| Ghariani, Nesrine | MA6.1 | 170 |
| Gholami, Mohammad | TC2.1 | 1505 |
| Ghomri, Latéfa | TA8.3 | 1074 |
| ..... | WB6.3 | 1980 |
| Ghorbel, Nouha | TB1.3 | 1111 |
| Ghosh, Sadhan | TC2.6 | 1533 |
| Giacomolli, Anderson Antônio | TA2.6 | 888 |
| Giard, Vincent | TB1 | C |
| | TB1.4 | 1117 |
| | TB1.5 | 1123 |
| Gien, Denis | TPo8.7 | 1280 |

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| Giglio, Davide | WD3.3 | 2367 |
| | WD3.4 | 2373 |
| Glock, Christoph | MB3.2 | 341 |
| | MB3.3 | 347 |
| Gnoni, Maria Grazia | MB7.4 | 494 |
| Gold, Stefan | TA6.5 | 1016 |
| Gomes, A. Miguel | MB8 | CC |
| | MB8.1 | 512 |
| | MB8.4 | 529 |
| Goncalves, Gilles | MA8.1 | 227 |
| Gonçalves, José Fernando | MB8.3 | 524 |
| Gorecky, Dominic | MC2.6 | 611 |
| Gourc, Didier | TA6.1 | 992 |
| | TA6.2 | 998 |
| | TA6.3 | 1004 |
| Gouriveau, Rafael | MA1.5 | 26 |
| Grassi, Andrea | TC1.1 | 1471 |
| | WC1.3 | 2028 |
| Grassi, Denise Mangabeira | TA6.6 | 1022 |
| Grossard, Mathieu | WC8.2 | 2250 |
| Grosse, Eric | MB3.2 | 341 |
| | MB3.3 | 347 |
| Grunder, Olivier | WA6.3 | 1820 |
| Grzechca, Waldemar | WC3.1 | 2076 |
| Guenther, Willibald A. | WB5.4 | 1956 |
| Guillaume, Romain | MA6.3 | 183 |
| Guinet, Alain | MA6.4 | 189 |
| Gunasekaran, Angappa | WA4.2 | 1758 |
| Gungor, Gokhan | TPoster.14 | 1366 |
| | TPoster.20 | 1398 |
| Guo, Lijun | MB4.2 | 378 |
| Gürbüz, Tuncay | MA1.2 | 8 |
| Györkös, Rita | MB3.1 | 335 |
| Gyulai, Dávid | WD3.6 | 2386 |
| H | | |
| Habibi, Mohsen | WB5.5 | 1962 |
| Habibi, Muhammad Khoirul Khakim | MA3.2 | 76 |
| Hackenberg, Georg | TC3.3 | 1552 |
| Haddad_1, Samir | MC4.3 | 660 |
| Hajej, Zied | WC7.2 | 2219 |
| | WC7.3 | 2227 |
| Hajji, Adnene | MB7.6 | 506 |
| Halal, Fadi | MA7.4 | 220 |
| | MC8.5 | 811 |
| | TPo8.4 | 1270 |
| Hamani, Nadia | MB6.2 | 449 |
| Hammadi, Slim | MC6.5 | 737 |
| | TA4.4 | 937 |
| Hammoudan, Zakaria | WA6.3 | 1820 |
| Han, Bin | TC4.6 | 1609 |
| Hanafi, Said | TPoster.19 | 1396 |
| Hanafy, Mohmmad | TC3.4 | 1560 |
| Hani, Yasmina | WB2.5 | 1910 |
| Hao, Yu | TA8.6 | 1093 |
| Hästbacka, David | TA2.5 | 881 |
| Haubeck, Christopher | TC5.4 | 1635 |
| Hazra, Jishnu | TC1.2 | 1477 |
| He, Qichang | TA3.6 | 917 |
| Hedrick, Robert William | WD5.3 | 2401 |
| Hegmanns, Tobias | WB2.1 | 1885 |
| Hellingrath, Bernd | TA7.2 | 1033 |
| Hening, Dyah | WB3.2 | * |
| Henry, Sébastien | WD8.2 | 2485 |
| Hensgen, Onno | TA8.5 | 1087 |
| Herakovic, Niko | WD3.5 | 2379 |
| Hernández Ruiz, Kenneth Edgar | TPoster.30 | 1453 |
| Hernández-Martínez, Eduardo Gamaliel | MA6.5 | 196 |
| Herzig, Sebastian Johannes Ingo | TA5.3 | 966 |
| Hirose, Thomas | MA7 | C |
| | MA7.3 | 214 |
| | MA7.6 | 224 |
| Hirsch, Patrick | MC6.2 | 719 |
| Hishamuddin, Hawa | WC4.1 | 2110 |
| Hissel, Daniel | MA1.5 | 26 |
| Hoblos, Ghaleb | MB6.1 | 443 |
| Hoedt, Steven | TA5.4 | 974 |
| | WD8.3 | 2491 |
| Hoffa, Patrycja | WC6.4 | 2195 |
| Hojda, Maciej | WC6.2 | 2183 |

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| Horst, John | WA3.5 | 1740 |
| Horvath, Andras | WD7.4 | 2473 |
| Horváth, László | WA2.1 | 1686 |
| Huang, George Q. | TB1.6 | 1129 |
| | TB3.3 | 1180 |
| Huang, Jing | WB3.4 | * |
| Huang, Min | MB4.2 | 378 |
| Huang, Ningjian | MB5.5 | 431 |
| Huang, Qingqing | MA2.5 | 64 |
| Huang, Yi-Sheng | WC8.3 | 2257 |
| Huet, Jean-Charles | MB2.3 | 309 |
| Huffman, John | WD1.3 | 2294 |
| Hurtado, Paula Andrea | TC4.3 | 1591 |
| | WC4.5 | 2133 |
| I | | |
| Iannone, Raffaele | MB3.4 | 353 |
| | MC7.4 | 766 |
| | TPoster.12 | 1354 |
| | TPoster.16 | 1378 |
| Ibarra, Luis | MA1.1 | 1 |
| | WC8.6 | 2277 |
| | WD8.5 | 2503 |
| Ierace, Stefano | TA7.6 | 1057 |
| Iglewski, Michal | MA4.2 | 112 |
| | MA4.6 | 127 |
| | MA4.7 | 129 |
| Imoussaten, Abdelhak | MC7.2 | 754 |
| Impens, David | MC5.1 | 684 |
| Indriago, Carlos | TB2.4 | 1155 |
| Ivanov, Dmitry | TC4 | C |
| | TC4.1 | 1579 |
| | TC4.5 | 1603 |
| | WA4 | C |
| | WA4.1 | 1752 |
| | WA4.5 | 1770 |
| Ivascu, Larisa | MA8.1 | 227 |
| Iyer, Parth | WC1.1 | 2016 |
| J | | |
| J Thakkar, Jitesh | TA4.2 | 929 |
| Jacomino, Mireille | WA1.3 | 1668 |
| Jafari, Leila | WC7.6 | 2244 |
| Jäger, Tobias | TC5.1 | 1615 |
| Jain, Ajai | WC1.2 | 2022 |
| Jain, Tarun | TC1.2 | 1477 |
| Jamiolahmadi, Saeed | WD5.5 | 2413 |
| Jamshidifar, Hamed | TPoster.14 | 1366 |
| | TPoster.20 | 1398 |
| Janeh, Omar | WA3.3 | 1728 |
| Jang-Yi Shiue, Jang-Yi | WC8.3 | 2257 |
| Jardim-Goncalves, Ricardo | MA2.1 | 38 |
| | MB2.5 | 321 |
| Jasiulewicz-Kaczmarek, Malgorzata | WC6.4 | 2195 |
| Jharko, Elena | TPoster.17 | 1384 |
| | TPoster.23 | 1411 |
| Jia, Zhiyang | MA3.4 | 88 |
| Jiang, Pingyu | MB5.2 | 413 |
| Jie, Ferry | WA4.1 | 1752 |
| Jimenez, Jose Fernando | TB2.2 | 1143 |
| Jimenez, Mariano | MB1.1 | 263 |
| Johnsson, Charlotta | MC2.1 | 579 |
| Jolai, Fariborz | MB1.2 | 269 |
| Jouin, Marine | MA1.5 | 26 |
| Joyal, Christian | MA2.2 | 46 |
| Ju, Feng | WA3.5 | 1740 |
| Junqueira, Fabrício | TPoster.18 | 1390 |
| | WA3.4 | 1734 |
| | WB6.4 | 1986 |
| K | | |
| Kadar, Botond | WD3.6 | 2386 |
| Kafa, Nadine | WB2.5 | 1910 |
| Kainz, Gerd | TC3.6 | 1572 |
| Kaji, Farzaneh | MC5.2 | 690 |
| Kaku, Ikou | WB3 | CC |
| | WB3.1 | * |
| Kalló, Noémi | MB3.1 | 335 |
| Kamissoko, Daouda, Kamissoko | TA6.2 | 998 |
| Kammerl, Daniel | TA5.3 | 966 |
| Kampert, David | TC5 | CC |

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| Kamphues, Josef | TC5.2 | 1623 |
| Kannisto, Petri Juhani | WB2.1 | 1885 |
| Kao, Hung-An | TA2.5 | 881 |
| Kapfer, Mark | WA2.2 | 1692 |
| Karray, Hedi | MA7.6 | 224 |
| Kayvanfar, Vahid | TC2.2 | 1511 |
| Keddis, Nadine | TB3.5 | 1192 |
| | TPo8.3 | 1264 |
| | TC3.6 | 1572 |
| Keivanpour, Samira | TA7.1 | 1027 |
| | TC3.1 | 1539 |
| Kelly, Emma | WC5.1 | 2139 |
| | WC5.2 | 2145 |
| Kelly, Russell | MC7.1 | 748 |
| Kemmoe, Sylverin | TA1.1 | 821 |
| Kenné, Jean-Pierre | MA5.2 | 139 |
| | TPo8.1 | 1256 |
| | WC3.4 | 2095 |
| Kermad, Lyes | MB6.2 | 449 |
| Kernschmidt, Konstantin | TA5.3 | 966 |
| Kersten, Gregory | WB4 | CC |
| | WB4.2 | 1923 |
| Kezadri, Mounira | MA4.5 | 125 |
| Khadidos, Adil | WD8.1 | 2479 |
| Khajepour, Amir | TPoster.14 | 1366 |
| Khaleghei, Akram | MB7.5 | 500 |
| Khalil, Moayad | TB4.6 | 1217 |
| Khamesee, Mir Behrad | MC8.6 | 817 |
| Kharraja, Saïd | TB3.6 | 1198 |
| Khatab, Abdelhakim | MB7.2 | 485 |
| Khedri Liraviasl, Kourosh | TC3.4 | 1560 |
| Khelif, Racha | MC8.2 | 794 |
| Kim, Nam Uook | TB1.2 | 1105 |
| Kim, Woo Ram | TB1.2 | 1105 |
| | TC1.6 | 1500 |
| Kimmelmann, Walter | WD7.3 | 2467 |
| Kiritsis, Dimitris | TA7.5 | 1051 |
| Kitaeva, Anna | TPoster.25 | 1423 |
| | TPoster.28 | 1441 |
| Klenk, Eva | WB5.4 | 1956 |
| Knoll, Alois | TPo8.3 | 1264 |
| Kolberg, Dennis | WB5.2 | 1944 |
| Koltai, Tamas | MB3.1 | 335 |
| | WA5 | CC |
| Komaki, Mohammad | TB3.5 | 1192 |
| Kopfer, Herbert | WA1.2 | 1662 |
| | WC4.2 | 2115 |
| Koplyay, Tamas | MC1.3 | 553 |
| | TA6 | CC |
| | WC4 | C |
| Korbaa, Ouajdi | WB1.2 | 1860 |
| Kosse, Philipp | WD7.3 | 2467 |
| Koukias, Andreas | TA7.5 | 1051 |
| Kovalev, Sergey | WD3.1 | 2355 |
| Kovalyov, Mikhail Y. | WD3.1 | 2355 |
| Krcmar, Helmut | TA5.3 | 966 |
| Krenn, Florian | MB2.4 | 315 |
| Kristoffersen, Steinar | TPoster.10 | 1340 |
| Ksenyia, Schemeleva | WB1.5 | 1879 |
| Kucukkoc, Ibrahim | WC3.6 | 2104 |
| Kuikka, Seppo | TA2.5 | 881 |
| Kulba, Vladimir | TPoster.8 | 1332 |
| Kulkarni, Sailesh | TB3.1 | 1172 |
| Kumar, Niraj | MB4.5 | 395 |
| Kumar, Vikas | WD1.4 | 2300 |
| Kumari, Archana | WD1.4 | 2300 |
| Kushner, Alexei | TPoster.7 | 1328 |
| | TPoster.9 | 1337 |
| Kuziemy, Craig | MA4.5 | 125 |
| L | | |
| L'Anton, Anne | TB2.5 | 1161 |
| Ladiges, Jan | TC5.4 | 1635 |
| Lafou, Meriem | MA3.5 | 94 |
| Lahuerta, Ricardo | WD5.4 | 2407 |
| Lam, Hoi Yan | WA5.2 | 1784 |
| Lambiase, Alfredo | MC7.4 | 766 |
| | WA5.3 | 1790 |
| Lambolais, Thomas | WD2.1 | 2312 |
| Lamersdorf, Winfried | TC5.4 | 1635 |

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| Lamouri, Samir | MB2.2 | 304 |
| | MB2.3 | 309 |
| | MC2.5 | 605 |
| Lamparter, Steffen | WC3.2 | 2083 |
| Lamy, Damien | TA1.1 | 821 |
| Laqrichi, Safae | TA6.3 | 1004 |
| Laroche, Florent | TA2.3 | 867 |
| Larssen, Anne Kathrine | MA5.5 | 158 |
| Lavoie, Cynthia | TA5.2 | 960 |
| Lazarev, Alexander | TA1.4 | 839 |
| Lazarevic, Djordje | TA3.5 | 915 |
| Le, Hong Anh | MB6.2 | 449 |
| LeBel, Luc | MC4.1 | 648 |
| Leclercq, Edouard | TA8.2 | 1068 |
| Ledoux, Yann | MC1.5 | 567 |
| Lee, Jay | TC2.3 | 1517 |
| | WA2.2 | 1692 |
| Lefebvre, Dimitri | TA8 | CC |
| | TA8.2 | 1068 |
| Legat, Christoph | MA8.2 | 232 |
| | TC5.5 | 1643 |
| Lehoux, Nadia | MC4.2 | 654 |
| Leitão, Paulo | TB2.2 | 1143 |
| | TB2.3 | 1149 |
| Leng, Jiewu | MB5.2 | 413 |
| Lennartson, Bengt | MC2.1 | 579 |
| Leonard, Francois | WB8.3 | 2010 |
| Lepelletier, Guillaume | WA1.3 | 1668 |
| Lepratti, Raffaello | WC3.2 | 2083 |
| Lerher, Tone | TB4.2 | 1205 |
| Lerliche, David | MB6.1 | 443 |
| Levasseur, Valerie | MA4.6 | 127 |
| Levin, Genrikh | WB1.1 | 1855 |
| Li, Jingjie | MB7.3 | 491 |
| Li, Jingshan | WA3.2 | 1722 |
| | WA3.5 | 1740 |
| Li, Ming | WA6.5 | 1832 |
| Li, Peng | MB7.3 | 491 |
| | TA4 | CC |
| | TA4.3 | 935 |
| Li, Tao | WA4.3 | * |
| Li, Yingguang | WD1.2 | 2288 |
| Liang, Liang | MC1.1 | 541 |
| Liangliang, Sun | WA1.5 | 1680 |
| | WC1.5 | 2040 |
| Lieder, Michael | MC2.1 | 579 |
| Lin Aung, Yan | TPoster.24 | 1417 |
| Lindemann, Udo | TA5.3 | 966 |
| Link, Norbert | TA8.5 | 1087 |
| Liu, Changqing | WD1.2 | 2288 |
| Lo, George | MC2.4 | 599 |
| Logan, Brian | WC5.1 | 2139 |
| Lohmann, Boris | TB5.3 | 1231 |
| Loiseau, Jean Jacques | MB1.5 | 287 |
| Long, Chengnian | MA8.5 | 252 |
| Lopez-Paredes, Adolfo | TPo8.8 | 1288 |
| Lototsky, Vladimir | TPoster.4 | 1312 |
| Luan, Fangjun | WA1.5 | 1680 |
| | WC1.5 | 2040 |
| Lugo, Esther | TC3.5 | 1566 |
| Lundholm, Thomas | MC2.1 | 579 |
| Luo, Jiliang | WC8.3 | 2257 |
| Luo, Ming | MC5.3 | 696 |
| Lychagin, Valentin | TPoster.7 | 1328 |
| | TPoster.9 | 1337 |
| M | | |
| Ma, Jiangling | MA2.5 | 64 |
| Maasouman, Mohammad Ali | WB5.3 | 1950 |
| Macchi, Marco | TA7 | C |
| | TA7.4 | 1045 |
| | TC2 | C |
| | TC2.4 | 1523 |
| Macchiaroli, Roberto | WA5.3 | 1790 |
| Macchion, Laura | TC1.5 | 1494 |
| MacCleery, Brian | WC8.6 | 2277 |
| Mahjoub, Amine | WB1.2 | 1860 |
| Mahling, Antonia | MA1.4 | 21 |
| Mahut, Fabien | TA2.4 | 873 |
| Mahvash, Batoul | MB6.6 | 473 |

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|-----------------------------------|------------|------|
| Mahy, Ben | WD8.3 | 2491 |
| Maiyar, Lohithaksha M | TA4.2 | 929 |
| Majoe, Dennis | MB2.4 | 315 |
| Makis, Viliam | MB7.5 | 500 |
| | WC7.6 | 2244 |
| Makiyama, Humberto | WB6.2 | 1974 |
| Malyutin, Sergey | WD3.1 | 2355 |
| Mandel, Alexander | TPoster.21 | 1404 |
| Mangione, Fabien | WA1.3 | 1668 |
| Marchesi, Tadeus | WD5.4 | 2407 |
| Marian, Hélène | MB1.3 | 275 |
| Marier, Philippe | MC4.2 | 654 |
| Markovich, Natalia | TPoster.13 | 1360 |
| Marmier, François | TA6 | C |
| | TA6.1 | 992 |
| | TA6.3 | 1004 |
| Martinez - Flores, Jose Luis | TPoster.31 | 1459 |
| | TPoster.32 | 1465 |
| Martino, Giada | TPoster.12 | 1354 |
| Martins, Thiago de Castro | MB8 | C |
| | MB8.1 | 512 |
| | WB6.2 | 1974 |
| | WB6.4 | 1986 |
| | WD5.4 | 2407 |
| Mas, Orestes | MB5.4 | 425 |
| Masclé, Christian | MC8.3 | 800 |
| | MC8.4 | 806 |
| | TC3 | C |
| | TC3.1 | 1539 |
| Masmoudi, Oussama | MC7.3 | 760 |
| Mathieu, Luc | MA3.5 | 94 |
| Matsebatlela, Molebogeng Germinah | MB1.4 | 281 |
| Maturana, Francisco | TA5.1 | 954 |
| Mauricio-Moreno, Héctor | MA2.4 | 58 |
| Maximov, Eugene | TPoster.4 | 1312 |
| McCullough, Greg | MA7.6 | 224 |
| McFarlane, Duncan Campbell | WD7.2 | 2461 |
| McGaw, David | WA8.3 | 1843 |
| McGinnis, Leon | WB5.1 | 1939 |
| Mebarki, Nasser | TB3.4 | 1186 |
| Meda-Campaña, Jesús A. | MA6.5 | 196 |
| Meerkov, Semyon M. | WA3 | C |
| | WA3.1 | 1716 |
| Mejri, Marouene | WD8.4 | 2497 |
| Meng, Yu | MA2.5 | 64 |
| Mequignon, Marc | MB4.1 | 372 |
| Mercorelli, Paolo | WA8.3 | 1843 |
| Mesghouni, Khaled | TA1.6 | 849 |
| Mhiri, Emna | WA1.3 | 1668 |
| Micchetti, Francesco | WD3.2 | 2361 |
| Michalowski, Wojtek | MA4.5 | 125 |
| Michikawa, Takashi | WD5.2 | 2397 |
| Ming K., Lim | WD1.4 | 2300 |
| MingQiang, Yang | WA5.1 | 1778 |
| Miranda, Jhonattan | MA2.4 | 58 |
| Miranda, Salvatore | MB3.4 | 353 |
| | TPoster | CC |
| | TPoster.12 | 1354 |
| | TPoster.16 | 1378 |
| | WA5.3 | 1790 |
| Mirshahi, Shiva | MB5.4 | 425 |
| Miskowicz, Marek | MB5.3 | 419 |
| Mitchell, Brian | MC1 | C |
| | MC1.3 | 553 |
| Miyagi, Paulo Eigi | MC4.5 | 672 |
| | TPoster.11 | 1348 |
| | TPoster.18 | 1390 |
| | WA3.4 | 1734 |
| | WB6.4 | 1986 |
| | WC4.4 | 2127 |
| Mocan, Marian | MA8.1 | 227 |
| Moghaddam, Mohsen | TA2.2 | 861 |
| Mohammadi Tehrani, Mahdi | MA5.2 | 139 |
| Molina, Arturo | MA1.1 | 1 |
| | MA2.4 | 58 |
| | MC5.6 | 712 |
| Molina, Arturo | TC3.5 | 1566 |
| Molina, Arturo | WC8.5 | 2269 |
| | WC8.6 | 2277 |

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| | WD8.5 | 2503 |
| | WD8.6 | 2509 |
| Monostori, Laszlo..... | WD3.6 | 2386 |
| Montecinos, Julio..... | WD2.5 | 2340 |
| Monteiro, Thibaud..... | MC6.3 | 725 |
| Montreuil, Benoit..... | WC2.5 | 2070 |
| Mora, Cristina..... | MC3.4 | 630 |
| Morariu, Cristina..... | TB2.1 | 1137 |
| Morariu, Octavian..... | TB2.1 | 1137 |
| Morel, Gerard..... | MB5 | C |
| Morozov, Boris..... | TPoster.1 | 1294 |
| ..... | TPoster.2 | 1300 |
| Mossa, Giorgio..... | MC3.5 | 636 |
| ..... | WD6 | CC |
| ..... | WD6.2 | 2430 |
| Moussaoui, Charifa..... | MB1.5 | 287 |
| Moutaoukil, Abdelhamid..... | WD6.4 | 2442 |
| Mouzna, Joseph..... | MB6.1 | 443 |
| Mpofu, Khumbulani..... | MB1.4 | 281 |
| Mroz, Dariusz..... | MA5.1 | 133 |
| Muchiri, Peter Nganga..... | TA7.3 | 1039 |
| Muita, Kevin..... | MA1.6 | 32 |
| Mujica Mota, Miguel Antonio..... | TPoster.29 | 1446 |
| Mula, Josefa..... | MB1.1 | 263 |
| Müller, Egon..... | MA1.4 | 21 |
| Mummolo, Giovanni..... | MC3.5 | 636 |
| ..... | WD6.2 | 2430 |
| Murray, Paul W..... | WB2.4 | 1904 |
| N | | |
| Nabelsi, Veronique..... | MA4 | C |
| ..... | MA4.1 | 106 |
| ..... | MA4.4 | 124 |
| Naccache, Salma..... | WC2.5 | 2070 |
| Naderkhani, Farnoosh..... | WC7.6 | 2244 |
| Nadia, Baaziz..... | WD8.4 | 2497 |
| Nagano, Marcelo..... | WC4.3 | 2121 |
| Nagesh, Indira..... | WA8 | CC |
| ..... | WB8 | C |
| ..... | WB8.1 | 1998 |
| Nakade, Koichi..... | WC3.3 | 2089 |
| Naves Maschietto, Gabriela..... | MB1.6 | 293 |
| Nayak, Ashutosh..... | TA4.1 | 923 |
| Nazari, Shaghayegh..... | TC5.2 | 1623 |
| Necsulescu, Dan Sorin..... | WA2.5 | 1710 |
| Nepomuceno, Napoleão..... | MB8.2 | 518 |
| Neubauer, Matthias..... | MB2.4 | 315 |
| Neubert, Gilles..... | WD6.4 | 2442 |
| Neuböck, Thomas..... | MB2.1 | 298 |
| Neumann, W. Patrick..... | MB3.2 | 341 |
| Neveu, Sarah Michelle..... | MA2.2 | 46 |
| Nevoux, Jean..... | TA6.3 | 1004 |
| Nielsen, Izabela..... | WC6.1 | 2177 |
| Niemi, Esko..... | WC2.1 | 2047 |
| Nikulina, Irina..... | TPoster.3 | 1306 |
| Noche, Bernd..... | WA3.3 | 1728 |
| Nof, Shimon Y..... | TA2.2 | 861 |
| ..... | WA2.3 | 1698 |
| Noran, Ovidiu..... | WD2.4 | 2332 |
| Nouaouri, Issam..... | MC6.4 | 731 |
| Nourelfath, Mustapha..... | MC7.6 | 780 |
| Núñez, Alexander..... | WC8.4 | 2263 |
| Nyirenda, Vwila..... | MC1.6 | 573 |
| O | | |
| Ohmer, Moritz..... | MC2.6 | 611 |
| Ojha, Divesh..... | TB3.1 | 1172 |
| Okamoto Jr, Jun..... | WB6.4 | 1986 |
| Olivares-Benitez, Elias..... | TPoster.29 | 1446 |
| ..... | TPoster.30 | 1453 |
| Oncan, Temel..... | TB5 | CC |
| ..... | TB5.2 | 1225 |
| Orfgen, Marius..... | MC2.3 | 593 |
| Osman, Ibrahim..... | TB3.6 | 1198 |
| Osorio, Geovanny..... | MC6.3 | 725 |
| Ouaret, Samir..... | TPo8.1 | 1256 |
| Ouazene, Yassine..... | MB1.6 | 293 |
| | MC7 | CC |
| | MC7.3 | 760 |
| Oudani, Mustapha..... | MB6.1 | 443 |

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| Ouellet, Réjean | MA5.2 | 139 |
| Ouhimmou, Mustapha | MB4.3 | 383 |
| | MC4.3 | 660 |
| | WD2.5 | 2340 |
| Oulamara, Ammar | MA6.6 | 202 |
| | TA1.5 | 843 |
| Ounifi, Hibat Allah | WD2.5 | 2340 |
| Ourari, Samia | WC1.4 | 2034 |
| Ouzrout, Yacine | WD8.2 | 2485 |
| Owen, Franklin Caleb | TA2.1 | 855 |
| P | | |
| Palenychka, Roman | MA7.5 | 222 |
| Pan, Shenle | WC2 | CC |
| | WC2.3 | 2058 |
| | WC2.4 | 2064 |
| Panetto, Hervé | MA2 | CC |
| Pannek, Juergen | TC4.3 | 1591 |
| Paquet, Marc | WD2.5 | 2340 |
| Paredis, Christiaan Jos Jan | TA5.3 | 966 |
| Partovi Nia, Vahid | MB6.5 | 467 |
| Paulina, Golinska-Dawson | WB8 | CC |
| | WC6.6 | 2207 |
| Paviot, Thomas | MB2.2 | 304 |
| | MC2.5 | 605 |
| Pawlewski, Pawel | MA5 | CC |
| | WC6.4 | 2195 |
| | WC6.5 | 2201 |
| | WC6.6 | 2207 |
| Pecht, Michael | MB7.1 | 479 |
| Pelagagge, Pacifico Marcello | MB3.5 | 359 |
| Penz, Bernard | WB6.1 | 1968 |
| Péra, Marie-Cécile | MA1.5 | 26 |
| Pereira, Carlos Eduardo | TA2.6 | 888 |
| | TA7 | CC |
| | TA7.2 | 1033 |
| | TC2.3 | 1517 |
| Pereira, Rafael | WB2.2 | 1891 |
| | WB2.3 | 1897 |
| Peres, Francois | TA6.2 | 998 |
| Persona, Alessandro | MB3.3 | 347 |
| | MB3.6 | 366 |
| Pesikov, Eduard | TPoster.4 | 1312 |
| Pessoa, Marcosiris Amorim de Oliveira | WD2.6 | 2347 |
| Petrillo, Antonella | MC7.5 | 774 |
| Phanden, Rakesh Kumar | WC1.2 | 2022 |
| Pian, Jinxiang | WC1.5 | 2040 |
| Piccinini, Andrea | TA5.6 | 986 |
| Pinha, Denis da Cruz | TA1.2 | 827 |
| | TC4.4 | 1597 |
| Pinheiro, Placido | MB8.2 | 518 |
| Pintelon, Liliane | TA7.3 | 1039 |
| Pitt, Jeremy | WC5.2 | 2145 |
| Plehn, Christian | TB5.3 | 1231 |
| Pois, Stephane | MA3.5 | 94 |
| Polotski, Vladimir | TPo8.1 | 1256 |
| | WC3.4 | 2095 |
| Ponce, Pedro | MA1.1 | 1 |
| | MC5.6 | 712 |
| | TC3.5 | 1566 |
| | WC8 | C |
| | WC8.5 | 2269 |
| | WC8.6 | 2277 |
| | WD8.5 | 2503 |
| | WD8.6 | 2509 |
| Popov, Atanas | WC5.5 | 2163 |
| Pratap, Saurabh | TA4.1 | 923 |
| Previdi, Fabio | TA2.1 | 855 |
| | TA5.6 | 986 |
| Provost, Julien | MC2.1 | 579 |
| Puchkova, Alena | WD7.2 | 2461 |
| Puga-Velazquez, Erika | MA6.5 | 196 |
| Putman, Nicholas | TA5.1 | 954 |
| Q | | |
| Qamar, Ahsan | TA5.3 | 966 |
| Qiao, Xue | WA6.5 | 1832 |
| Quilliot, Alain | MC6.5 | 737 |
| R | | |
| Rabelo, Ricardo | WD2.3 | 2324 |

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| Rabenasolo, Besoa..... | MB6.3 | 455 |
| Radhoui, Mehdi..... | WC7.5 | 2238 |
| Raduly-Baka, Csaba..... | TA3.3 | 908 |
| Rahhou, Mohssine..... | WD2.1 | 2312 |
| Rahmani, Younes..... | MA6.6 | 202 |
| Raileanu, Silviu..... | TB2.1 | 1137 |
| Rajala, Risto..... | MA1.6 | 32 |
| Rakesh, Venkitasubramony..... | TB4.3 | 1208 |
| Rakoto, Naly..... | TB2.4 | 1155 |
| Raman, Arun..... | MA8.4 | 246 |
| Ramdane Cherif, Wahiba..... | MA6.6 | 202 |
| Ramírez-Cadena, Miguel..... | MA2.4 | 58 |
| ..... | WC8.6 | 2277 |
| Rasooli, Farzin..... | WB4.3 | 1927 |
| Ratchev, Svetan..... | WC5.1 | 2139 |
| ..... | WC5.2 | 2145 |
| ..... | WC5.3 | 2151 |
| ..... | WC5.4 | 2157 |
| ..... | WC5.5 | 2163 |
| Ratti, Andrea..... | WD3.2 | 2361 |
| Ravetti, Martin G..... | MB1.6 | 293 |
| Razmi, Jafar..... | MB1.2 | 269 |
| ..... | WB1.3 | 1866 |
| Regattieri, Alberto..... | MC3.4 | 630 |
| Rehman, Adeel ur..... | WA2.5 | 1710 |
| Rekik, Ines..... | MA5.4 | 150 |
| Ren, Libo..... | TA5.5 | 980 |
| Renaud, Patrice..... | MA2.2 | 46 |
| Resende, Luis Mauricio..... | MA5.6 | 164 |
| ..... | WB2.2 | 1891 |
| ..... | WB2.3 | 1897 |
| Rest, Klaus-Dieter..... | MC6 | CC |
| ..... | MC6.2 | 719 |
| Rezg, Nidhal..... | WC7 | C |
| ..... | WC7.1 | 2213 |
| ..... | WC7.3 | 2227 |
| ..... | WC7.5 | 2238 |
| Ribault, Judicael..... | MC3.3 | 624 |
| Riedel, Ralph..... | MA1.4 | 21 |
| Riemma, Stefano..... | MB3.4 | 353 |
| ..... | TPoster.12 | 1354 |
| ..... | TPoster.16 | 1378 |
| Rigatos, Gerasimos..... | TPoster.26 | 1428 |
| ..... | TPoster.27 | 1434 |
| Rimini, Bianca..... | WC1.3 | 2028 |
| Ringsquandl, Martin..... | WC3.2 | 2083 |
| Rioux, Michel..... | MA5.2 | 139 |
| Rocha, André..... | WC5.3 | 2151 |
| Rocha, Pedro..... | MB8.4 | 529 |
| Rocha-Lona, Luis..... | WD1.4 | 2300 |
| Rodney, Elodie..... | MC1.5 | 567 |
| Rodrigo Juliano, Silva..... | WD5.1 | 2392 |
| Rodrigues, Rui..... | MB8.4 | 529 |
| Rodriguez, Carlos Alfonso..... | TC3.5 | 1566 |
| Rodriguez, Rodolfo..... | TPoster.32 | 1465 |
| Romano, V.A..... | MC3.5 | 636 |
| Romero, David..... | WD2 | C |
| ..... | WD2.4 | 2332 |
| Rong, Gang..... | TA1.3 | 833 |
| ..... | TA4.5 | 943 |
| Ronzoni, Chiara..... | TC1.1 | 1471 |
| Rose, Thomas..... | TPo8.5 | 1272 |
| Rosen, Roland..... | MC2.4 | 599 |
| Roshani, Abdolreza..... | WD3.3 | 2367 |
| ..... | WD3.4 | 2373 |
| Rostami-Tabar, Bahman..... | WA6.2 | 1814 |
| Rosu, Daniela..... | MA4.5 | 125 |
| Roth, Hubert..... | TC3.2 | 1546 |
| Roy, Daniel..... | MC6.6 | 743 |
| Roy, Debjit..... | MA8.4 | 246 |
| ..... | MB4.5 | 395 |
| ..... | TB4 | C |
| ..... | TB4.4 | 1214 |
| Rozin, Boris..... | WB1.1 | 1855 |
| Rudas, Imre..... | WA2.1 | 1686 |
| Rude, Donald..... | MC5.4 | 700 |
| Rudnickii, Sergei..... | TPoster.2 | 1300 |
| Ruel, Salomé..... | MC4.6 | 678 |
| Ruiz, Angel..... | MA6.4 | 189 |

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