

research policy

Research Policy 25 (1997) 1303-1316

Subject Index Volume 25 (1997)

Business

strategic partnering: an empirical investigation	1
De Marchi, M., G. Napolitano and P. Taccini, Testing a model of technological	
	13
Hutcheson, P., A.W. Pearson and D.F. Ball, Sources of technical innovation in the	
	25
Macho-Stadler, I., X. Martinez-Giralt and J.D. Pérez-Castrillo, The role of information	
	43
Liker, J.K., R.R. Kamath, S. Nazli Wasti and M. Nagamachi, Supplier involvement in	
	59
Lynn, L.H., N.M. Reddy and J.D. Aram, Linking technology and institutions: the	
	91
Eisemon, T.O., I. Ionescu-Sisesti, C.H. Davis and J. Gaillard, Reforming Romania's	
national research system	07
Numagami, T., Flexibility trap: a case analysis of U.S. and Japanese technological	
choice in the digital watch industry 13	33
Yinnon, A.T., The shift to knowledge-intensive production in the plastics-processing	
industry and its implications for infrastructure development: three case studies - New	
York State, England and Israel	53
Shapira, P. and J.D. Roessner, Evaluating industrial modernization: Introduction to the	
theme issue	81
Shapira, P., J. Youtie and J.D. Roessner, Current practices in the evaluation of US	
industrial modernization programs	85
Oldsman, E., Does manufacturing extension matter? An evaluation of the Industrial	
Technology Extension Service in New York 21	15
Luria, D. and E. Wiarda, Performance benchmarking and measuring program impacts on	
customers: lessons from the Midwest Manufacturing Technology Center 23	33
Rosenfeld, S.A., Does cooperation enhance competitiveness? Assessing the impacts of	
inter-firm collaboration 24	47
Kelley, M.R. and A. Arora, The role of institution-building in US industrial moderniza-	
tion programs 26	65
Sabel, C.F., A measure of federalism: assessing manufacturing technology centers 28	81
Feller, I., A. Glasmeier and M. Mark, Issues and perspectives on evaluating manufactur-	
ing modernization programs 30	09

Kauko, K., Effectiveness of R&D subsidies – a sceptical note on the empirical literature Mian, S.A., Assessing value-added contributions of university technology business	321
incubators to tenant firms	325
Penan, H., R&D strategy in a techno-economic network: Alzheimer's disease therapeu-	
tic strategies	337
Hicks, D.M., P.A. Isard and B.R. Martin, A morphology of Japanese and European	
corporate research networks	359
Hartnell, G., The innovation of agrochemicals: regulation and patent protection	379
Link, A.N., On the classification of industrial R&D	397
Coombs, R., P. Narandren and A. Richards, A literature-based innovation output	577
indicator	403
Leoncini, R., M.A. Maggioni and S. Montresor, Intersectoral innovation flows and	-05
national technological systems: network analysis for comparing Italy and Germany	415
Leydesdorff, L. and É. Gauthier, The evaluation of national performance in selected	415
•	40.1
priority areas using scientometric methods	431
Malerba, F. and L. Orsenigo, Schumpeterian patterns of innovation are technology-	451
specific	451
Lee, K.R., The role of user firms in the innovation of machine tools: The Japanese case	491
Walsh, V., Design, innovation and the boundaries of the firm	509
Foss, K., Transaction costs and technological development: the case of the Danish fruit	
and vegetable industry	531
Lanjouw, J.O. and A. Mody, Innovation and the international diffusion of environmen-	
tally responsive technology	549
Jacobsson, S., C. Oskarsson and J. Philipson, Indicators of technological activities -	
comparing educational, patent and R&D statistics in the case of Sweden	573
Godin, B., Research and the practice of publication in industries	587
Shenhar, A.J. and D. Dvir, Toward a typological theory of project management	607
Hollenstein, H., A composite indicator of a firm's innovativeness. An empirical analysis	
based on survey data for Swiss manufacturing	633
Molero, J. and M. Buesa, Patterns of technological change among Spanish innovative	
firms: the case of the Madrid region	647
Clarysse, B., K. Debackere and M.A. Rappa, Modeling the persistence of organizations	
in an emerging field: the case of hepatitis C	671
Santarelli, E. and R. Piergiovanni, Analyzing literature-based innovation output indica-	
tors: the Italian experience	689
Kumar, N. and M. Saqib, Firm size, opportunities for adaptation and in-house R&D	
activity in developing countries: the case of Indian manufacturing	713
Gruber, H., Trade policy and learning by doing: the case of semiconductors	723
Sternberg, R.G., Government R&D expenditure and space: empirical evidence from five	
industrialized countries	741
Chen, CF. and G. Sewell, Strategies for technological development in South Korea and	• • •
Taiwan: the case of semiconductors	759
Baldwin, J.R. and J. Johnson, Business strategies in more- and less-innovative firms in	
Canada	785
Lee, M., B. Son and K. Om, Evaluation of national R&D projects in Korea	805
Moed, H.F. and F.Th. Hesselink, The publication output and impact of academic	000
chemistry research in the Netherlands during the 1980s: bibliometric analyses and	
policy implications	819
	017

Lee, Y.S., 'Technology transfer' and the research university: a search for the boundaries

of university-industry collaboration

or university measury conduction	84J
Williams, R. and D. Edge, The social shaping of technology	865
Joly, PB. and MA. de Looze, An analysis of innovation strategies and industrial	
differentiation through patent applications: the case of plant biotechnology	1027
Colombo, M.G. and P. Garrone, Technological cooperative agreements and firm's R&D	
intensity. A note on causality relations	923
Possas, M.L., S. Salles-Filho and J.M. da Silveira, An evolutionary approach to techno-	
logical innovation in agriculture: some preliminary remarks	933
Mowery, D.C. and R.N. Langlois, Spinning off and spinning on(?): the federal govern-	
ment role in the development of the US computer software industry	947
Kingsley, G., B. Bozeman and K. Coker, Technology transfer and absorption: an 'R&D	
value-mapping' approach to evaluation	967
Tanaka, Y. and R. Hirasawa, Features of policy-making processes in Japan's Council for	
Science and Technology	999
Vivarelli, M., R. Evangelista and M. Pianta, Innovation and employment in Italian	
manufacturing industry	1013
Joly, P.B. and V. Mangematin, Profile of public laboratories, industrial partnerships and	
organisation of R&D: the dynamics of industrial relationships in a large research	
organisation	901
Mansfield, E. and JY. Lee, The modern university: contributor to industrial innovation	
and recipient of industrial R&D support	1047
Odagiri, H. and H. Yasuda, The determinants of overseas R&D by Japanese firms: an	
empirical study at the industry and company levels	1059
Oyelaran-Oyeyinka, B., G.O.A. Laditan and A.O. Esubiyi, Industrial innovation in	
Sub-Saharan Africa: the manufacturing sector in Nigeria	1081
Pisano, G.P., Learning-before-doing in the development of new process technology	1097
Laursen, K., Horizontal diversification in the Danish national system of innovation: the	
case of pharmaceuticals	1121
Swann, P. and M. Prevezer, A comparison of the dynamics of industrial clustering in	
computing and biotechnology	1139
Daniels, P.L., National technology gaps and trade — an empirical study of the influence	
of globalisation	1189
Klaes, M., Sociotechnical constituencies, game theory, and the diffusion of compact	
discs. An inter-disciplinary investigation into the market for recorded music	1221
Teubal, M., A catalytic and evolutionary approach to horizontal technology policies	
(HTPs)	1161
Brouwer, E. and A. Kleinknecht, Measuring the unmeasurable: a country's non-R&D	
expenditure on product and service innovation	1235
Prencipe, A., Technological competencies and product's evolutionary dynamics a case	
study from the aero-engine industry	1261
Howells, J., Rethinking the market-technology relationship for innovation	1209
Furtado, A., The French system of innovation in the oil industry some lessons about the	
role of public policies and sectoral patterns of technological change in innovation	10.40
networking	1243
Tijssen, R.J.W. and J.C. Korevaar, Unravelling the cognitive and interorganisational	
structure of public/private R&D networks: A case study of catalysis research in the	1077
Netherlands	1277

1305

843

Government

Eisemon, T.O., I. Ionescu-Sisesti, C.H. Davis and J. Gaillard, Reforming Romania's	
national research system	107
Yinnon, A.T., The shift to knowledge-intensive production in the plastics-processing industry and its implications for infrastructure development: three case studies – New	
York State, England and Israel	163
Shapira, P. and J.D. Roessner, Evaluating industrial modernization: Introduction to the theme issue	181
Shapira, P., J. Youtie and J.D. Roessner, Current practices in the evaluation of US industrial modernization programs	185
Oldsman, E., Does manufacturing extension matter? An evaluation of the Industrial Technology Extension Service in New York	215
Luria, D. and E. Wiarda, Performance benchmarking and measuring program impacts on	
customers: lessons from the Midwest Manufacturing Technology Center	233
Rosenfeld, S.A., Does cooperation enhance competitiveness? Assessing the impacts of	
inter-firm collaboration	247
Kelley, M.R. and A. Arora, The role of institution-building in US industrial moderniza-	
tion programs	265
Sabel, C.F., A measure of federalism: assessing manufacturing technology centers	281
Feller, I., A. Glasmeier and M. Mark, Issues and perspectives on evaluating manufactur-	
ing modernization programs	309
Kauko, K., Effectiveness of R&D subsidies – a sceptical note on the empirical literature Mian, S.A., Assessing value-added contributions of university technology business	321
incubators to tenant firms	325
Hartnell, G., The innovation of agrochemicals: regulation and patent protection	379
Lanjouw, J.O. and A. Mody, Innovation and the international diffusion of environmen-	
tally responsive technology	549
Sternberg, R.G., Government R&D expenditure and space: empirical evidence from five	
industrialized countries	741
Chen, CF. and G. Sewell, Strategies for technological development in South Korea and	
Taiwan: the case of semiconductors	759
Lee, M., B. Son and K. Om, Evaluation of national R&D projects in Korea	805
Williams, R. and D. Edge, The social shaping of technology	865
Joly, PB. and MA. de Looze, An analysis of innovation strategies and industrial differentiation through patent applications: the case of plant biotechnology	1027
Possas, M.L., S. Salles-Filho and J.M. da Silveira, An evolutionary approach to techno- logical innovation in agriculture: some preliminary remarks	933
Mowery, D.C. and R.N. Langlois, Spinning off and spinning on(?): the federal govern- ment role in the development of the US computer software industry	947
Kingsley, G., B. Bozeman and K. Coker, Technology transfer and absorption: an 'R&D value-mapping' approach to evaluation	967
Tanaka, Y. and R. Hirasawa, Features of policy-making processes in Japan's Council for	
Science and Technology Teubal, M., A catalytic and evolutionary approach to horizontal technology policies	999
(HTPs)	1161

1243

Universities and basic research

Eisemon, T.O., I. Ionescu-Sisesti, C.H. Davis and J. Gaillard, Reforming Romania's	
national research system	107
Yinnon, A.T., The shift to knowledge-intensive production in the plastics-processing industry and its implications for infrastructure development: three case studies – New	
York State, England and Israel	163
Shapira, P. and J.D. Roessner, Evaluating industrial modernization: Introduction to the	
theme issue	181
Shapira, P., J. Youtie and J.D. Roessner, Current practices in the evaluation of US	
industrial modernization programs	185
Oldsman, E., Does manufacturing extension matter? An evaluation of the Industrial	
Technology Extension Service in New York	215
Sabel, C.F., A measure of federalism: assessing manufacturing technology centers	281
Feller, I., A. Glasmeier and M. Mark, Issues and perspectives on evaluating manufactur-	
ing modernization programs	309
Mian, S.A., Assessing value-added contributions of university technology business	
incubators to tenant firms	325
Penan, H., R&D strategy in a techno-economic network: Alzheimer's disease therapeu-	
tic strategies	337
Hicks, D.M., P.A. Isard and B.R. Martin, A morphology of Japanese and European	
corporate research networks	359
Leydesdorff, L. and É. Gauthier, The evaluation of national performance in selected	
priority areas using scientometric methods	431
Godin, B., Research and the practice of publication in industries	587
Clarysse, B., K. Debackere and M.A. Rappa, Modeling the persistence of organizations	
in an emerging field: the case of hepatitis C	671
Moed, H.F. and F.Th. Hesselink, The publication output and impact of academic	
chemistry research in the Netherlands during the 1980s: bibliometric analyses and	
policy implications	819
Lee, Y.S., 'Technology transfer' and the research university: a search for the boundaries	
of university-industry collaboration	843
Williams, R. and D. Edge, The social shaping of technology	865
Joly, PB. and MA. de Looze, An analysis of innovation strategies and industrial	
differentiation through patent applications: the case of plant biotechnology	1027
Mowery, D.C. and R.N. Langlois, Spinning off and spinning on(?): the federal govern-	
ment role in the development of the US computer software industry	947
Kingsley, G., B. Bozeman and K. Coker, Technology transfer and absorption: an 'R&D	
value-mapping' approach to evaluation	967
Mansfield, E. and JY. Lee, The modern university: contributor to industrial innovation	
and recipient of industrial R&D support	1047
Oyelaran-Oyeyinka, B., G.O.A. Laditan and A.O. Esubiyi, Industrial innovation in	
Sub-Saharan Africa: the manufacturing sector in Nigeria	1081

1307

Laursen, K., Horizontal diversification in the Danish national system of innovation: the case of pharmaceuticals	1121
Teubal, M., A catalytic and evolutionary approach to horizontal technology policies (HTPs)	1161
Furtado, A., The French system of innovation in the oil industry some lessons about the role of public policies and sectoral patterns of technological change in innovation networking	1243
Tijssen, R.J.W. and J.C. Korevaar, Unravelling the cognitive and interorganisational structure of public/private R&D networks: A case study of catalysis research in the Netherlands	1277
Management and planning	
Duysters, G. and J. Hagedoorn, Internationalization of corporate technology through strategic partnering: an empirical investigation	1
Hutcheson, P., A.W. Pearson and D.F. Ball, Sources of technical innovation in the network of companies providing chemical process plant and equipment	25
Macho-Stadler, I., X. Martinez-Giralt and J.D. Pérez-Castrillo, The role of information	
in licensing contract design Liker, J.K., R.R. Kamath, S. Nazli Wasti and M. Nagamachi, Supplier involvement in	43
automotive component design: are there really large US Japan differences?	59
Lynn, L.H., N.M. Reddy and J.D. Aram, Linking technology and institutions: the innovation community framework	91
Eisemon, T.O., I. Ionescu-Sisesti, C.H. Davis and J. Gaillard, Reforming Romania's	107
national research system Numagami, T., Flexibility trap: a case analysis of U.S. and Japanese technological	107
choice in the digital watch industry Yinnon, A.T., The shift to knowledge-intensive production in the plastics-processing	133
industry and its implications for infrastructure development: three case studies – New	
York State, England and Israel Shapira, P. and J.D. Roessner, Evaluating industrial modernization: Introduction to the	163
theme issue	181
Shapira, P., J. Youtie and J.D. Roessner, Current practices in the evaluation of US	105
industrial modernization programs Kelley, M.R. and A. Arora, The role of institution-building in US industrial moderniza-	185
tion programs	265
Sabel, C.F., A measure of federalism: assessing manufacturing technology centers Feller, I., A. Glasmeier and M. Mark, Issues and perspectives on evaluating manufactur-	281
ing modernization programs	309
Kauko, K., Effectiveness of R&D subsidies – a sceptical note on the empirical literature	321
Mian, S.A., Assessing value-added contributions of university technology business incubators to tenant firms	325
Hicks, D.M., P.A. Isard and B.R. Martin, A morphology of Japanese and European	525
corporate research networks	359
Hartnell, G., The innovation of agrochemicals: regulation and patent protection	379
Coombs, R., P. Narandren and A. Richards, A literature-based innovation output indicator	403

Leydesdorff, L. and É. Gauthier, The evaluation of national performance in selected	
priority areas using scientometric methods	431
Walsh, V., Design, innovation and the boundaries of the firm	509
Foss, K., Transaction costs and technological development: the case of the Danish fruit	
and vegetable industry	531
Lanjouw, J.O. and A. Mody, Innovation and the international diffusion of environmen-	
tally responsive technology	549
Jacobsson, S., C. Oskarsson and J. Philipson, Indicators of technological activities -	
comparing educational, patent and R&D statistics in the case of Sweden	573
Shenhar, A.J. and D. Dvir, Toward a typological theory of project management	607
Hollenstein, H., A composite indicator of a firm's innovativeness. An empirical analysis	
based on survey data for Swiss manufacturing	633
Molero, J. and M. Buesa, Patterns of technological change among Spanish innovative	
firms: the case of the Madrid region	647
Clarysse, B., K. Debackere and M.A. Rappa, Modeling the persistence of organizations	
in an emerging field: the case of hepatitis C	671
Sternberg, R.G., Government R&D expenditure and space: empirical evidence from five	
industrialized countries	741
Chen, CF. and G. Sewell, Strategies for technological development in South Korea and	
Taiwan: the case of semiconductors	759
Baldwin, J.R. and J. Johnson, Business strategies in more- and less-innovative firms in	
Canada	785
Lee, M., B. Son and K. Om, Evaluation of national R&D projects in Korea	805
Lee, Y.S., 'Technology transfer' and the research university: a search for the boundaries	
of university-industry collaboration	843
Colombo, M.G. and P. Garrone, Technological cooperative agreements and firm's R&D	
intensity. A note on causality relations	923
Possas, M.L., S. Salles-Filho and J.M. da Silveira, An evolutionary approach to techno-	
logical innovation in agriculture: some preliminary remarks	933
Mowery, D.C. and R.N. Langlois, Spinning off and spinning on(?): the federal govern-	
ment role in the development of the US computer software industry	947
Kingsley, G., B. Bozeman and K. Coker, Technology transfer and absorption: an 'R&D	
value-mapping' approach to evaluation	967
Tanaka, Y. and R. Hirasawa, Features of policy-making processes in Japan's Council for	
Science and Technology	999
Vivarelli, M., R. Evangelista and M. Pianta, Innovation and employment in Italian	
manufacturing industry	1013
Joly, P.B. and V. Mangematin, Profile of public laboratories, industrial partnerships and	
organisation of R&D: the dynamics of industrial relationships in a large research	
organisation	901
Mansfield, E. and JY. Lee, The modern university: contributor to industrial innovation	10.47
and recipient of industrial R&D support	1047
Odagiri, H. and H. Yasuda, The determinants of overseas R&D by Japanese firms: an	1070
empirical study at the industry and company levels	1059
Oyelaran-Oyeyinka, B., G.O.A. Laditan and A.O. Esubiyi, Industrial innovation in	1001
Sub-Saharan Africa: the manufacturing sector in Nigeria	1081
Pisano, G.P., Learning-before-doing in the development of new process technology	1097

1309

Laursen, K., Horizontal diversification in the Danish national system of innovation: the	
case of pharmaceuticals	1121
Swann, P. and M. Prevezer, A comparison of the dynamics of industrial clustering in	
computing and biotechnology	1139
Klaes, M., Sociotechnical constituencies, game theory, and the diffusion of compact	
discs. An inter-disciplinary investigation into the market for recorded music	1221
Teubal, M., A catalytic and evolutionary approach to horizontal technology policies	
(HTPs)	1161
Prencipe, A., Technological competencies and product's evolutionary dynamics a case	
study from the aero-engine industry	1261
Howells, J., Rethinking the market-technology relationship for innovation	1209
Furtado, A., The French system of innovation in the oil industry some lessons about the	
role of public policies and sectoral patterns of technological change in innovation	
networking	1243

Measurement and evaluation

Duysters, G. and J. Hagedoorn, Internationalization of corporate technology through	
strategic partnering: an empirical investigation	1
De Marchi, M., G. Napolitano and P. Taccini, Testing a model of technological trajectories	13
Lynn, L.H., N.M. Reddy and J.D. Aram, Linking technology and institutions: the innovation community framework	91
	91
Eisemon, T.O., I. Ionescu-Sisesti, C.H. Davis and J. Gaillard, Reforming Romania's national research system	107
Numagami, T., Flexibility trap: a case analysis of U.S. and Japanese technological	
choice in the digital watch industry	133
Shapira, P. and J.D. Roessner, Evaluating industrial modernization: Introduction to the	
theme issue	181
Shapira, P., J. Youtie and J.D. Roessner, Current practices in the evaluation of US	
industrial modernization programs	185
Oldsman, E., Does manufacturing extension matter? An evaluation of the Industrial	100
Technology Extension Service in New York	215
Luria, D. and E. Wiarda, Performance benchmarking and measuring program impacts on	
customers: lessons from the Midwest Manufacturing Technology Center	233
Rosenfeld, S.A., Does cooperation enhance competitiveness? Assessing the impacts of	
inter-firm collaboration	247
Kelley, M.R. and A. Arora, The role of institution-building in US industrial moderniza-	
tion programs	265
Sabel, C.F., A measure of federalism: assessing manufacturing technology centers	281
Feller, I., A. Glasmeier and M. Mark, Issues and perspectives on evaluating manufactur-	201
ing modernization programs	309
Kauko, K., Effectiveness of R&D subsidies – a sceptical note on the empirical literature	321
Mian, S.A., Assessing value-added contributions of university technology business	
incubators to tenant firms	325
Penan, H., R&D strategy in a techno-economic network: Alzheimer's disease therapeu-	525
tic strategies	337
-	001

Hicks, D.M., P.A. Isard and B.R. Martin, A morphology of Japanese and European	
corporate research networks	359
Link, A.N., On the classification of industrial R&D	397
Coombs, R., P. Narandren and A. Richards, A literature-based innovation output	
indicator	403
Leoncini, R., M.A. Maggioni and S. Montresor, Intersectoral innovation flows and	
national technological systems: network analysis for comparing Italy and Germany	415
Leydesdorff, L. and É. Gauthier, The evaluation of national performance in selected	
priority areas using scientometric methods	431
Malerba, F. and L. Orsenigo, Schumpeterian patterns of innovation are technology-	
specific	451
Lee, K.R., The role of user firms in the innovation of machine tools: The Japanese case	49 1
Walsh, V., Design, innovation and the boundaries of the firm	509
Foss, K., Transaction costs and technological development: the case of the Danish fruit	
and vegetable industry	531
Lanjouw, J.O. and A. Mody, Innovation and the international diffusion of environmen-	
tally responsive technology	549
Jacobsson, S., C. Oskarsson and J. Philipson, Indicators of technological activities -	
comparing educational, patent and R&D statistics in the case of Sweden	573
Godin, B., Research and the practice of publication in industries	587
Shenhar, A.J. and D. Dvir, Toward a typological theory of project management	607
Hollenstein, H., A composite indicator of a firm's innovativeness. An empirical analysis based on survey data for Swiss manufacturing	622
Clarysse, B., K. Debackere and M.A. Rappa, Modeling the persistence of organizations	633
in an emerging field: the case of hepatitis C	671
Santarelli, E. and R. Piergiovanni, Analyzing literature-based innovation output indica-	0/1
tors: the Italian experience	689
Kumar, N. and M. Saqib, Firm size, opportunities for adaptation and in-house R&D	007
activity in developing countries: the case of Indian manufacturing	713
Gruber, H., Trade policy and learning by doing: the case of semiconductors	723
Baldwin, J.R. and J. Johnson, Business strategies in more- and less-innovative firms in	
Canada	785
Lee, M., B. Son and K. Om, Evaluation of national R&D projects in Korea	805
Moed, H.F. and F.Th. Hesselink, The publication output and impact of academic	
chemistry research in the Netherlands during the 1980s: bibliometric analyses and	
policy implications	819
Colombo, M.G. and P. Garrone, Technological cooperative agreements and firm's R&D	
intensity. A note on causality relations	923
Kingsley, G., B. Bozeman and K. Coker, Technology transfer and absorption: an 'R&D	
value-mapping' approach to evaluation	967
Vivarelli, M., R. Evangelista and M. Pianta, Innovation and employment in Italian	
manufacturing industry	1013
Joly, P.B. and V. Mangematin, Profile of public laboratories, industrial partnerships and	
organisation of R&D: the dynamics of industrial relationships in a large research	
organisation	901
Mansfield, E. and JY. Lee, The modern university: contributor to industrial innovation	10.47
and recipient of industrial R&D support	1047

Odagiri, H. and H. Yasuda, The determinants of overseas R&D by Japanese firms: an empirical study at the industry and company levels	1059
Laursen, K., Horizontal diversification in the Danish national system of innovation: the	
case of pharmaceuticals	1121
Swann, P. and M. Prevezer, A comparison of the dynamics of industrial clustering in	
computing and biotechnology	1139
Daniels, P.L., National technology gaps and trade — an empirical study of the influence	
of globalisation	1189
Brouwer, E. and A. Kleinknecht, Measuring the unmeasurable: a country's non-R&D	
expenditure on product and service innovation	1235
Tijssen, R.J.W. and J.C. Korevaar, Unravelling the cognitive and interorganisational	
structure of public/private R&D networks: A case study of catalysis research in the	
Netherlands	1277

Countries

Canada

Leoncini, R., M.A. Maggioni and S. Montresor, Intersectoral innovation flows and national technological systems: network analysis for comparing Italy and Germany	415
Baldwin, J.R. and J. Johnson, Business strategies in more- and less-innovative firms in Canada	785
Denmark	
Foss, K., Transaction costs and technological development: the case of the Danish fruit and vegetable industry	531
Laursen, K., Horizontal diversification in the Danish national system of innovation: the case of pharmaceuticals	1121
Europe	
Hicks, D.M., P.A. Isard and B.R. Martin, A morphology of Japanese and European corporate research networks	359
France	
Furtado, A., The French system of innovation in the oil industry some lessons about the role of public policies and sectoral patterns of technological change in innovation networking	1243
Germany	
Leoncini, R., M.A. Maggioni and S. Montresor, Intersectoral innovation flows and national technological systems: network analysis for comparing Italy and Germany	415

India

Kumar, N. and M. Saqib, Firm size, opportunities for adaptation and in-house R&D	
activity in developing countries: the case of Indian manufacturing	713

International comparisons

Duysters, G. and J. Hagedoorn, Internationalization of corporate technology through	1
strategic partnering: an empirical investigation	1
Hutcheson, P., A.W. Pearson and D.F. Ball, Sources of technical innovation in the	
network of companies providing chemical process plant and equipment	25
Kauko, K., Effectiveness of R&D subsidies - a sceptical note on the empirical literature	321
Penan, H., R&D strategy in a techno-economic network: Alzheimer's disease therapeu-	
tic strategies	337
Hartnell, G., The innovation of agrochemicals: regulation and patent protection	379
Malerba, F. and L. Orsenigo, Schumpeterian patterns of innovation are technology-	
specific	451
Walsh, V., Design, innovation and the boundaries of the firm	509
Lanjouw, J.O. and A. Mody, Innovation and the international diffusion of environmen-	
tally responsive technology	549
Godin, B., Research and the practice of publication in industries	587
Clarysse, B., K. Debackere and M.A. Rappa, Modeling the persistence of organizations	
in an emerging field: the case of hepatitis C	671
Gruber, H., Trade policy and learning by doing: the case of semiconductors	723
Sternberg, R.G., Government R&D expenditure and space: empirical evidence from five	
industrialized countries	741
Colombo, M.G. and P. Garrone, Technological cooperative agreements and firm's R&D	
intensity. A note on causality relations	923
Joly, P.B. and V. Mangematin, Profile of public laboratories, industrial partnerships and	
organisation of R&D: the dynamics of industrial relationships in a large research	
organisation	901
Daniels, P.L., National technology gaps and trade — an empirical study of the influence	201
of globalisation	1189
Klaes, M., Sociotechnical constituencies, game theory, and the diffusion of compact	1107
	1221
discs. An inter-disciplinary investigation into the market for recorded music	1221

Italy

De Marchi, M., G. Napolitano and P. Taccini, Testing a model of technological	
trajectories	13
Leoncini, R., M.A. Maggioni and S. Montresor, Intersectoral innovation flows and	
national technological systems: network analysis for comparing Italy and Germany	415
Santarelli, E. and R. Piergiovanni, Analyzing literature-based innovation output indica-	
tors: the Italian experience	689
Vivarelli, M., R. Evangelista and M. Pianta, Innovation and employment in Italian	
manufacturing industry	1013

Israel

Yinnon, A.T., The shift to knowledge-intensive production in the plastics-processing industry and its implications for infrastructure development: three case studies – New York State, England and Israel	163
Japan	
Macho-Stadler, I., X. Martinez-Giralt and J.D. Pérez-Castrillo, The role of information in licensing contract design Numagami, T., Flexibility trap: a case analysis of U.S. and Japanese technological	43

133

107

choice in the digital watch industry Hicks, D.M., P.A. Isard and B.R. Martin, A morphology of Japanese and European

corporate research networks359Lee, K.R., The role of user firms in the innovation of machine tools: The Japanese case491Tanaka, Y. and R. Hirasawa, Features of policy-making processes in Japan's Council for491

Science and Technology999Odagiri, H. and H. Yasuda, The determinants of overseas R&D by Japanese firms: an
empirical study at the industry and company levels1059

Korea

Chen, CF. and G. Sewell, Strategies for technological development in South Korea and	
Taiwan: the case of semiconductors	759
Lee, M., B. Son and K. Om, Evaluation of national R&D projects in Korea	805

Netherlands

Leydesdorff, L. and É. Gauthier, The evaluation of national performance in selected priority areas using scientometric methods	431
Moed, H.F. and F.Th. Hesselink, The publication output and impact of academic	
chemistry research in the Netherlands during the 1980s: bibliometric analyses and	
policy implications	819
Tijssen, R.J.W. and J.C. Korevaar, Unravelling the cognitive and interorganisational	
structure of public/private R&D networks: A case study of catalysis research in the	
Netherlands	1277

Nigeria

Oyelaran-Oyeyinka, B., G.O.A.	Laditan and A.O.	Esubiyi, Industrial	innovation	in
Sub-Saharan Africa: the manu	facturing sector in I	Nigeria		1081

Romania

Eisemon,	T.O.,	I.	Ionescu	-Sisesti,	C.H.	Davis	and	J.	Gaillard,	Reforming	Romania's	
nationa	al resea	arcl	h system	n								

Subject Index	Volume	25	(1997)
---------------	--------	----	--------

Spain

Macho-Stadler, I., X. Martinez-Giralt and J.D. Pérez-Castrillo, The role of information in licensing contract design	43
Molero, J. and M. Buesa, Patterns of technological change among Spanish innovative firms: the case of the Madrid region	647
Sweden	
Jacobsson, S., C. Oskarsson and J. Philipson, Indicators of technological activities – comparing educational, patent and R&D statistics in the case of Sweden	573
Switzerland	
Hollenstein, H., A composite indicator of a firm's innovativeness. An empirical analysis based on survey data for Swiss manufacturing	633
Taiwan	
Chen, CF. and G. Sewell, Strategies for technological development in South Korea and Taiwan: the case of semiconductors	759
UK	
Yinnon, A.T., The shift to knowledge-intensive production in the plastics-processing industry and its implications for infrastructure development: three case studies – New York State, England and Israel	163
Coombs, R., P. Narandren and A. Richards, A literature-based innovation output indicator	403
Teubal, M., A catalytic and evolutionary approach to horizontal technology policies (HTPs)	1161
USA	
Liker, J.K., R.R. Kamath, S. Nazli Wasti and M. Nagamachi, Supplier involvement in automotive component design: are there really large US Japan differences?Yinnon, A.T., The shift to knowledge-intensive production in the plastics-processing industry and its implications for infrastructure development: three case studies – New	59
York State, England and Israel Shapira, P. and J.D. Roessner, Evaluating industrial modernization: Introduction to the	163
theme issue Shapira, P., J. Youtie and J.D. Roessner, Current practices in the evaluation of US	181
industrial modernization programs Oldsman, E., Does manufacturing extension matter? An evaluation of the Industrial	185
Technology Extension Service in New York Luria, D. and E. Wiarda, Performance benchmarking and measuring program impacts on	215
customers: lessons from the Midwest Manufacturing Technology Center	233

Subject Index Volume 25 (1997)

Rosenfeld, S.A., Does cooperation enhance competitiveness? Assessing the impacts of inter-firm collaboration	247
Kelley, M.R. and A. Arora, The role of institution-building in US industrial moderniza-	
tion programs	265
Sabel, C.F., A measure of federalism: assessing manufacturing technology centers	281
Feller, I., A. Glasmeier and M. Mark, Issues and perspectives on evaluating manufactur-	
ing modernization programs	309
Mian, S.A., Assessing value-added contributions of university technology business	
incubators to tenant firms	325
Link, A.N., On the classification of industrial R&D	397
Shenhar, A.J. and D. Dvir, Toward a typological theory of project management	607
Lee, Y.S., 'Technology transfer' and the research university: a search for the boundaries	
of university-industry collaboration	843
Mowery, D.C. and R.N. Langlois, Spinning off and spinning on(?): the federal govern-	
ment role in the development of the US computer software industry	947
Kingsley, G., B. Bozeman and K. Coker, Technology transfer and absorption: an 'R&D	
value-mapping' approach to evaluation	967
Mansfield, E. and JY. Lee, The modern university: contributor to industrial innovation	
and recipient of industrial R&D support	1047
Pisano, G.P., Learning-before-doing in the development of new process technology	1 097
Swann, P. and M. Prevezer, A comparison of the dynamics of industrial clustering in	
computing and biotechnology	1139