



Subject Index Volume 24 (1995)

Business

von Hippel, E. and M.J. Tyre, How learning by doing is done; problem identifica-	
tion in novel process equipment	1
Fransman, M. and S. Tanaka, Government, globalisation, and universities in	
Japanese biotechnology	13
Afuah, A.N. and N. Bahram, The hypercube of innovation	51
Kogut, B., G. Walker and DJ. Kim, Cooperation and entry induction as an	
extension of technological rivalry	77
Bessant, J. and H. Rush, Building bridges for innovation: the role of consultants in	
technology transfer	97
Jacobsson, S. and C. Oskarsson, Educational statistics as an indicator of technolog-	
ical activity	127
Buzzacchi, L., M.G. Colombo and S. Mariotti, Technological regimes and innova-	
tion in services: the case of the Italian banking industry	151
Howells, J.R., Going global: the use of ICT networks in research and development	169
Klevorick, A.K., R.C. Levin, R.R. Nelson and S.G. Winter, On the sources and	
significance of interindustry differences in technological opportunities	185
Hagedoorn, J., Strategic technology partnering during the 1980s: trends, networks	
and corporate patterns in non-core technologies	207
Christensen, C.M. and R.S. Rosenbloom, Explaining the attacker's advantage:	
technological paradigms, organizational dynamics, and the value network	233
Justman, M. and M. Teubal, Technological infrastructure policy (TIP): creating	
capabilities and building markets	259
Murray, G.C. and J. Lott, Have UK venture capitalists a bias against investment in	
new technology-based firms?	283
Aldrich, H.E. and T. Sasaki, R&D consortia in the United States and Japan	301
Tripsas, M., S. Schrader and M. Sobrero, Discouraging opportunistic behavior in	
collaborative R & D: A new role for government	367
Lee, J., Small firms' innovation in two technological settings	391
Fölster, S., Do subsidies to cooperative R&D actually stimulate R&D investment	
and cooperation?	403
Ulrich, K., The role of product architecture in the manufacturing firm	419
Mangematin, V. and M. Callon, Technological competition, strategies of the firms	
and the choice of the first users: the case of road guidance technologies	441
Baba, Y., S. Takai and Y. Mizuta, The Japanese software industry: the 'hub	
structure' approach	473

Boisot, M.H., Is your firm a creative destroyer? Competitive learning and knowl-	
edge flows in the technological strategies of firms	489
Narin, F. and A. Breitzman, Inventive productivity	507
Iansiti, M., Technology integration: Managing technological evolution in a complex	
environment	52 1
Robertson, P.L. and R.N. Langlois, Innovation, networks, and vertical integration	543
Dalpé, R. and F. Anderson, National priorities in academic research-strategic	
research and contracts in renewable energies	563
Uzumeri, M. and S. Sanderson, A framework for model and product family	
competition	583
Greis, N.P., M.D. Dibner and A.S. Bean, External partnering as a response to	
innovation barriers and global competition in biotechnology	609
Henderson, R., Of life cycles real and imaginary: The unexpectedly long old age of	
optical lithography	631
Thomas, S.M., K. Kimura and J.F. Burke, Patenting of recombinant proteins: An	
analysis of tissue plasminogen activator (t-PA) in Europe, The United States	
and Japan	645
Brown, M.A., T.R. Curlee and S.R. Elliott, Evaluating technology innovation	
programs: the use of comparison groups to identify impacts	669
DeBresson, C., Predicting the most likely diffusion sequence of a new technology	
through the economy: The case of superconductivity	685
Henry, N., D. Massey and D. Wield, Along the road: R&D, society and space	707
Christensen, J.F., Asset profiles for technological innovation	727
Sanderson, S. and M. Uzumeri, Managing product families: The case of the Sony	7/1
Walkman	761 782
McKendrick, D., Sources of imitation: improving bank process capabilities	783
Majumdar, S.K., Does new technology adoption pay? Electronic switching patterns	803
and firm-level performance in US telecommunications Gemünden, H.G. and P. Heydebreck, The influence of business strategies on	803
technological network activities	831
Cowan, R. and D. Forays, Quandaries in the economics of dual technologies and	031
spillovers from military to civilian research and development	851
Howells, J., A socio-cognitive approach to innovation	883
Storper, M., Regional technology coalitions. An essential dimension of national	00.
technology policy	895
Bailetti, A.J. and J.R. Callahan, Managing consistency between product develop-	0,5
ment and public standards evolution	913
Khanna, T., Racing behavior. Technological evolution in the high-end computer	713
industry	933
Harabi, N., Appropriability of technical innovations. An empirical analysis	981
- and the state of	,01
Government	
Fransman, M. and S. Tanaka, Government, globalisation, and universities in	
Japanese biotechnology	13
Bessant, J. and H. Rush, Building bridges for innovation: the role of consultants in	13
technology transfer	97
Stewart, J., Models of priority-setting for public sector research	115

Justman, M. and M. Teubal, Technological infrastructure policy (TIP): creating	
capabilities and building markets	259
Aldrich, H.E. and T. Sasaki, R&D consortia in the United States and Japan	301
Quintas, P. and K. Guy, Collaborative, pre-competitive R&D and the firm	325
Luukkonen, T., The impacts of research field evaluations on research practice	349
Fölster, S., Do subsidies to cooperative R&D actually stimulate R&D investment	
and cooperation?	403
Mangematin, V. and M. Callon, Technological competition, strategies of the firms	
and the choice of the first users: the case of road guidance technologies	441
Baba, Y., S. Takai and Y. Mizuta, The Japanese software industry: the 'hub	
structure' approach	473
Dalpé, R. and F. Anderson, National priorities in academic research-strategic	
research and contracts in renewable energies	563
Thomas, S.M., K. Kimura and J.F. Burke, Patenting of recombinant proteins: An	
analysis of tissue plasminogen activator (t-PA) in Europe, The United States	
and Japan	645
Brown, M.A., T.R. Curlee and S.R. Elliott, Evaluating technology innovation	
programs: the use of comparison groups to identify impacts	669
Lambright, W.H., NASA, ozone, and policy-relevant science	747
McKendrick, D., Sources of imitation: improving bank process capabilities	783
Majumdar, S.K., Does new technology adoption pay? Electronic switching patterns	004
and firm-level performance in US telecommunications	803
Cowan, R. and D. Forays, Quandaries in the economics of dual technologies and	051
spillovers from military to civilian research and development	851
Kostoff, R.N., Research requirements for research impact assessment	869
Storper, M., Regional technology coalitions. An essential dimension of national	895
technology policy Khanna, T., Racing behavior. Technological evolution in the high-end computer	693
industry	933
Herbertz, H. and B. Müller-Hill, Quality and efficiency of basic research in	733
molecular biology: a bibliometric analysis of thirteen excellent research insti-	
tutes	959
Harabi, N., Appropriability of technical innovations. An empirical analysis	981
Title 101, 14., 14. propried in the innovations. 111 complicate analysis	701
Universities and basic research	
Fransman, M. and S. Tanaka, Government, globalisation, and universities in	
Japanese biotechnology	13
Stewart, J., Models of priority-setting for public sector research	115
Debackere, K. and M.A. Rappa, Scientists at major and minor universities:	115
mobility along the prestige continuum	137
Klevorick, A.K., R.C. Levin, R.R. Nelson and S.G. Winter, On the sources and	
significance of interindustry differences in technological opportunities	185
Aldrich, H.E. and T. Sasaki, R&D consortia in the United States and Japan	301
Quintas, P. and K. Guy, Collaborative, pre-competitive R&D and the firm	325
Luukkonen, T., The impacts of research field evaluations on research practice	349
Gómez, I., M.T. Fernández, M.A. Zulueta and J. Camí, Analysis of biomedical	
research in Spain	459

Baba, Y., S. Takai and Y. Mizuta, The Japanese software industry: the 'hub	
structure' approach	473
Dalpé, R. and F. Anderson, National priorities in academic research-strategic	
research and contracts in renewable energies	563
Thomas, S.M., K. Kimura and J.F. Burke, Patenting of recombinant proteins: An	
analysis of tissue plasminogen activator (t-PA) in Europe, The United States	
and Japan	645
Kostoff, R.N., Research requirements for research impact assessment	869
Herbertz, H. and B. Müller-Hill, Quality and efficiency of basic research in	
molecular biology: a bibliometric analysis of thirteen excellent research insti-	
tutes	959
Management and planning	
Afrah AN and N Daham. The homeonic of improveding	£ 1
Afuah, A.N. and N. Bahram, The hypercube of innovation	51
Kogut, B., G. Walker and DJ. Kim, Cooperation and entry induction as an extension of technological rivalry	77
Christensen, C.M. and R.S. Rosenbloom, Explaining the attacker's advantage:	//
technological paradigms, organizational dynamics, and the value network	233
Luukkonen, T., The impacts of research field evaluations on research practice	349
Lee, J., Small firms' innovation in two technological settings	391
Ulrich, K., The role of product architecture in the manufacturing firm	419
Boisot, M.H., Is your firm a creative destroyer? Competitive learning and knowl-	11)
edge flows in the technological strategies of firms	489
Iansiti, M., Technology integration: Managing technological evolution in a complex	
environment	521
Robertson, P.L. and R.N. Langlois, Innovation, networks, and vertical integration	543
Dalpé, R. and F. Anderson, National priorities in academic research-strategic	
research and contracts in renewable energies	563
Uzumeri, M. and S. Sanderson, A framework for model and product family	
competition	583
Greis, N.P., M.D. Dibner and A.S. Bean, External partnering as a response to	
innovation barriers and global competition in biotechnology	609
Henderson, R., Of life cycles real and imaginary: The unexpectedly long old age of	
optical lithography	631
DeBresson, C., Predicting the most likely diffusion sequence of a new technology	
through the economy: The case of superconductivity	685
Christensen, J.F., Asset profiles for technological innovation	727
Lambright, W.H., NASA, ozone, and policy-relevant science	747
Sanderson, S. and M. Uzumeri, Managing product families: The case of the Sony	561
Walkman	761
Majumdar, S.K., Does new technology adoption pay? Electronic switching patterns	002
and firm-level performance in US telecommunications	803
Gemünden, H.G. and P. Heydebreck, The influence of business strategies on technological network activities	831
Herbertz, H. and B. Müller-Hill, Quality and efficiency of basic research in	031
molecular biology: a bibliometric analysis of thirteen excellent research insti-	
tutes	959

Subject	Indox	Volume	24 (1005
митесь	IMILL	v ouume	24 1	199.11

Measurement and evaluation

Jacobsson, S. and C. Oskarsson, Educational statistics as an indicator of technolog-	
ical activity	127
Hagedoorn, J., Strategic technology partnering during the 1980s: trends, networks	
and corporate patterns in non-core technologies	207
Quintas, P. and K. Guy, Collaborative, pre-competitive R&D and the firm	325
Luukkonen, T., The impacts of research field evaluations on research practice	349
Gómez, I., M.T. Fernández, M.A. Zulueta and J. Camí, Analysis of biomedical research in Spain	459
Narin, F. and A. Breitzman, Inventive productivity	507
Dalpé, R. and F. Anderson, National priorities in academic research-strategic	507
research and contracts in renewable energies	563
Brown, M.A., T.R. Curlee and S.R. Elliott, Evaluating technology innovation	
programs: the use of comparison groups to identify impacts	669
Kostoff, R.N., Research requirements for research impact assessment	869
Harabi, N., Appropriability of technical innovations. An empirical analysis	981
Countries	
Australia	
Stewart, J., Models of priority-setting for public sector research	115
Canada	
Dalpé, R. and F. Anderson, National priorities in academic research-strategic research and contracts in renewable energies	563
Finland	
Luukkonen, T., The impacts of research field evaluations on research practice	349
International comparisons	
Thomas, S.M., K. Kimura and J.F. Burke, Patenting of recombinant proteins: An analysis of tissue plasminogen activator (t-PA) in Europe, The United States and Japan	645
Italy	
Buzzacchi, L., M.G. Colombo and S. Mariotti, Technological regimes and innovation in services: the case of the Italian banking industry	151
Japan	
Fransman, M. and S. Tanaka, Government, globalisation, and universities in Japanese biotechnology	13

Aldrich, H.E. and T. Sasaki, R&D consortia in the United States and Japan Baba, Y., S. Takai and Y. Mizuta, The Japanese software industry: the 'hub	301
structure' approach	473
Narin, F. and A. Breitzman, Inventive productivity Uzumeri, M. and S. Sanderson, A framework for model and product family	507
competition	583
New Zealand	
Stewart, J., Models of priority-setting for public sector research	115
South Korea	
Lee, J., Small firms' innovation in two technological settings	391
Spain	
Gómez, I., M.T. Fernández, M.A. Zulueta and J. Camí, Analysis of biomedical research in Spain	459
Sweden	
Jacobsson, S. and C. Oskarsson, Educational statistics as an indicator of technological activity	127
Switzerland	
Harabi, N., Appropriability of technical innovations. An empirical analysis	981
UK	
Murray, G.C. and J. Lott, Have UK venture capitalists a bias against investment in	202
new technology-based firms? Quintas, P. and K. Guy, Collaborative, pre-competitive R&D and the firm	283 325
USA	
Von Hippel, E. and M.J. Tyre, How learning by doing is done: problem identifica-	
tion in novel process equipment Debackere, K. and M.A. Rappa, Scientists at major and minor universities:	1
mobility along the prestige continuum	137
Klevorick, A.K., R.C. Levin, R.R. Nelson and S.G. Winter, On the sources and	40=
significance of interindustry differences in technological opportunities Christensen, C.M. and R.S. Rosenbloom, Explaining the attacker's advantage:	185
technological paradigms, organizational dynamics, and the value network	233
Aldrich, H.E. and T. Sasaki, R&D consortia in the United States and Japan	301
Narin, F. and A. Breitzman, Inventive productivity	507

Subject Index Volume 24 (1995)	
Greis, N.P., M.D. Dibner and A.S. Bean, External partnering as a response to	
innovation barriers and global competition in biotechnology	609
Brown, M.A., T.R. Curlee and S.R. Elliott, Evaluating technology innovation	
programs: the use of comparison groups to identify impacts	669
Lambright, W.H., NASA, ozone, and policy-relevant science	74