

CURRICULUM VITAE

NAME: Robin Cowan

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CITIZENSHIP: Canadian

EDUCATION:

Ph.D.	Stanford University 1987
M.A.	Stanford University 1987
B.A. (Honours)	Queen's University 1981

Academic and Professional Experience

Mar-June 2016	Fellow, Stellenbosch Institute for Advanced Study
Jan-Mar 2016	Visiting Scholar, Centre for Research and Evaluation, Science and Technology (CREST) Stellenbosch University
2013-2018	Senior member, Institut Universitaire de France
2005-present	Professor of Management, Faculté des sciences économiques et gestion, University of Strasbourg (formerly Université Louis Pasteur), Strasbourg
2004-2005	Professeur associé, Faculté des sciences économiques et gestion, Université Louis Pasteur, Strasbourg
1998-present	Professor of Economics, School of Business and economics, Maastricht University
April-Aug 2009	Visiting Professor, Rotman School of Business, University of Toronto
April-June 2005	Visiting CNRS fellow, GREQAM, Université Aix-Marseille
1997 to 2008	Adjunct Professor, Department of Economics, University of Waterloo
1991 to 1998	Assistant Professor, Department of Economics, University of Western Ontario
1987-1990	Assistant Professor, Department of Economics, New York University
Jan.-Jul., 1997	Professorial Fellow, MERIT, University of Maastricht
May, 1997	Visiting Professor, Université de Lyon II, Lumiere, and GATE, Lyon.
May-Jul., 1996	Visiting Professor, Ecole Supérieure Nationale des Télécommunications, Paris.
Sept. Oct. 1995	Visiting Researcher, Stockholm School of Economics
May 1993	Visiting Professor, Laboratoire de Strategie et Technique, Ecole Centrale, Paris.
June-Aug 1998, 1999	Visiting fellow, SantaFe Institute, Santa Fe New Mexico.
June 1992	Visiting Professor, Laboratoire de Strategie et Technique, Ecole Centrale, Paris.

PUBLISHED WORK

Journal Articles

- Innocenti, S. and R. Cowan, “Self-efficacy beliefs and imitation: a two-armed bandit experiment”, *European Economic Review* [vol 113](#): 156-172 2019, doi.org/10.1016/j.euroecorev.2018.12.009
- Cowan, R. and G. Rossello, “Emergent structures in faculty hiring networks, and the effects of mobility on academic performance”, *Scientometrics*, vol. 117(1) 527–562, 2018.
- Barnard, H., R. Cowan, M. Müller, “On the value of foreign PhDs in the developing world: Training versus selection effects”, *Research Policy*, vol. 47(5): 886-900, 2018.
- Kamath, Anant and Robin Cowan “Social cohesion and knowledge diffusion: understanding the embeddedness–homophily association”, *Socio-Economic Review*; vol. 13(4): 723-746 2015; doi:10.1093/ser/mwu024.
- Babutsidze, Zakaria and Robin Cowan “Showing or telling? Local interaction and organization of behavior”, *Journal of Economic Interaction and Coordination*, vol. 9(2): 151-181, 2014.
- Baum, J.A.C, Robin Cowan and Nicolas Jonard “Does evidence of network effects on firm performance in pooled cross-section support prescriptions for network strategy?” *Strategic Management Journal*, vol 35(5): 652–667, 2014.
- Fauchart, Emmanuelle, and Robin Cowan, “Weak links and the management of reputational interdependencies” *Strategic Management Journal*, vol. 35(4): 532-549, 2014.
- Cowan, Robin and Natalia Zinovyeva, “University Effects on Regional Innovation”, *Research Policy*, vol 42(3): 788–800, 2013. DOI: dx.doi.org/10.1016/j.respol.2012.10.001
- Barnard, Helena, Robin Cowan and Moritz Mueller “Global excellence at the expense of local relevance, or a bridge between two worlds? Research in science and technology in the developing world” *Research Policy*, vol 41(4): 756-769, 2012.
- Cowan, Robin, Bulat Sanditov and Rifka Weehuizen “Productivity effects of innovation, stress and social relations” *Journal of Economic Behavior and Organization*, vol 79(3):165-182, 2011.
- Baum, Joel, Robin Cowan and Nicolas Jonard, “Network-independent partner selection and the evolution of innovation networks”, *Management Science*. vol 56: 2094-2110, 2010. doi10.1287/mnsc.1100.1229 (awarded the 2009 Best Paper Award from the Organization and Management Theory Division of the Academy of Management.)
- Cowan, Robin and Nicolas Jonard “Knowledge Portfolios and the Organization of Innovation Networks” *Academy of Management Review*, vol 34, pp. 320-342, 2009.

- Cowan, Robin and Nicolas Jonard, "Structural Holes, Innovation and the Distribution of Ideas" vol 2, pp 93-101, *Journal of Economics of Interaction and Co-ordination*, DOI: 10.1007/s11403-007-0024-0, 2007. reprinted in A. Pyka, Scharnhorst, A. (eds.), *Innovation Networks – New Approaches in Modelling and Analyzing*, Springer Complexity, Understanding Complex Systems, Berlin et al. 2008.
- Cowan, Robin, Nicolas Jonard and Jean-Benoit Zimmermann "Bilateral Collaboration and the Emergence of Networks" *Management Science*, vol 53(7), pp. 1051-1067, 2007.
- Cowan, Robin and Nicolas Jonard "Merit, approbation and the evolution of social structure" *Journal of Economic Behavior and Organization*, vol 64, pp. 295-315, 2007.
- Cowan, Robin and Nicolas Jonard "Network architecture, barter exchange and the diffusion of ideas", *International Journal of Agricultural Resources, Governance and Ecology*, vol 6(2), pp. 165-178, 2007.
- Cowan, Robin, Nicolas Jonard and Jean-Benoit Zimmermann "Evolving Networks of Inventors" *Journal of Evolutionary Economics*, vol 16, pp. 155-174, 2006.
- Cowan, Robin, William Cowan and Peter Swann, "Waves in Consumption with Interdependence among Consumers", *Canadian Journal of Economics* vol 37(1), pp. 149-177, 2004.
- Cowan, Robin and Nicolas Jonard, "Network Structure and the Diffusion of Knowledge" *Journal of Economic Dynamics and Control*, vol 28(8) pp. 1557-1575, 2004.
- Cowan, Robin, Nicolas Jonard and Muge Ozman, "Knowledge Dynamics in a Network Industry", *Technological Forecasting and Social Change*, vol 71(5), pp. 469-484 2004.
- Cowan, Robin and Elad Harison, "On Substitution of Intellectual Property and Free Disclosure: An Analysis of R&D Strategies In Software Technologies", *Economics of Innovation and New Technology*. vol 13(5), pp. 477-487, 2004.
- Cowan, Robin and Nicolas Jonard "The Dynamics of Collective Invention", *Journal of Economic Behavior and Organization*, vol 52(4) pp. 513-532, 2003.
- Cowan, Robin, Nicolas Jonard and Jean-Benoit Zimmermann "La Dynamique Conjointe de la Connaissance et des Reseaux", *Revue d'Economie Industrielle*, vol 103, pp. 253-274, 2003.
- Cowan, Robin and Dominique Foray, "Evolutionary Economics and the Counterfactual Threat: On the nature and role of counterfactual history as an empirical tool in economics" *Journal of Evolutionary Economics*, vol 12, pp. 539-562, 2002.
- Cowan, Robin, "On the Number of Firms and the Amount of R&D" *Economics Bulletin*, vol 12(6) pp. 1-9, 2002.
- Cowan, Robin "Expert Systems: Aspects of and Limitations to the Codifiability of Knowledge" *Research Policy*, vol 30/9, pp 1355-1372, 2001. Awarded Emerald (formerly Anbar) Citation of Excellence for Research Implications, 2001.

- Cowan, Robin, Paul David and Dominique Foray, “The Explicit Economics of Knowledge Codification and Tacitness” *Industrial and Corporate Change*, vol 9(2) pp. 211-253, 2000. reprinted in *Understanding Industrial and Corporate Change*, G. Dosi, D. Teece and J. Chytry (eds), Oxford: Oxford University Press, 2005; reprinted in *Recent Developments in the Economics of Science and Innovation* Albert N. Link and Cristiano Antonelli (eds.) a volume in the series The International Library of Critical Writings in Economics, Edward Elgar, 2013.
- Cowan, Robin and John H. Miller. “Technological Standards with Local Externalities and Decentralized Behaviour”, *Journal of Evolutionary Economics*, vol 8(3), pp. 285-96, 1998.
- Cowan, Robin and William Cowan. “On Clustering in the Location of R&D: Statics and Dynamics” *Economics of Innovation and New Technology*, vol 6, pp. 201-229, 1998.
- Cowan, Robin, William Cowan, and Peter Swann. “A Model of Demand with Interactions Among Consumers” *International Journal of Industrial Organization*, vol 15(6), pp. 711-732, 1997. Awarded Citation of Excellence for Research Implications, Anbar Electronic Intelligence.
- Cowan, Robin and Dominique Foray, “The Economics of Codification and the Diffusion of Knowledge” *Industrial and Corporate Change*, vol 6(3), pp. 595-622, 1997.
- Cowan, Robin and Philip Gunby. “Sprayed to Death: Path Dependence, Lock-In and Pest Control Strategies”, *Economic Journal*, vol 106, pp. 521-42, May, 1996.
- Cowan, Robin and Mario J. Rizzo. “The Genetic-Causal Tradition and Modern Economic Theory”, *Kyklos*, vol 49(3), pp. 273-317, 1996. Reprinted in Peter J. Boettke (ed.) *The Legacy of Friedrich von Hayek. volume II: Philosophy*. Edward Elgar, 1999. pp. 273-317. Also reprinted in Sandye Gloria-Palermo (ed.), *Modern Austrian Economics: Archeology of a Revival*. London: Pickering and Chatto Publishers, 2002.
- Cowan, Robin and Staffan Hultén. “Escaping Lock-In: The Case of the Electric Vehicle”, *Technological Forecasting and Social Change*, vol 53(1), pp. 61-80, September 1996. Awarded Citation of Excellence for Practical Implications, and for Originality, Anbar Electronic Intelligence, 1996.
- Cowan, Robin and Dominique Foray. “Quandaries in the Economics of Dual Technologies and Spillovers from Military to Civilian Research and Development” *Research Policy*, vol 24(6), pp. 851-868, Nov. 1995.
- Cowan, Robin. “Tortoises and Hares: Choice Among Technologies of Unknown Merit” *Economic Journal* vol 101, pp. 801-814, July, 1991.
- Cowan, Robin. “Nuclear Power Reactors: A Study of Technological Lock-In” *Journal of Economic History*, vol 50, pp. 541-566, Sept, 1990. reprinted in *Path Dependence and Lock In* Stan J. Liebowitz, and Stephen E. Margolis (eds.) Cheltenham: Edward Elgar, and in *Recent Papers in Trade and the Environment*, Brian R. Copeland (eds.) Cheltenham: Edward Elgar.

Articles in Edited Volumes and Proceedings

- Barnard, Helena, Robin Cowan, Marta Fernandez-Arroyabe and Moritz Mueller “Interpersonal ties and global knowledge flows”, in *Handbook of Global Science, Technology and Innovation*, Edited by Daniele Archibugi and Andrea Filippetti, Series: Handbooks in Global Policy, Wiley, Oxford, 2015.
- Cowan, Robin, Nicolas Jonard and Bulat Sanditov, “Technological matching and R&D networks” in Thierry Burger-Helmchen (ed.) *The Economics of Creativity Ideas, Firms and Market*, Routledge, 2013.
- Baum, Joel A.C., Robin Cowan and Nicolas Jonard. “Network-independent Partner Selection and the Evolution of Innovation Networks.” George Solomon (ed.), *Academy of Management Best Paper Proceedings*. CD-ROM. August. Best Paper Award, Organization and Management Theory Division, Academy of Management, 2009.
- Cowan, Robin, William Cowan and Patrick Llerena, “Running the Marathon” in Maureen McKelvey & Magnus Holmén, (eds.) *European Universities Learning to Compete: From Social Institution to Knowledge Business*, pp. 278-299, Edward Elgar. 2009.
- Cowan, Robin and Nicolas Jonard “If the Alliance Fits... : Innovation and Network Dynamics” in J.A.C. Baum and T.J Rowley (eds.), *Network Strategy: Advances in Strategic Management*, 25, pp. 427-455, Oxford UK: JAI/Elsevier, 2008.
- Cowan, Robin and Nicolas Jonard, “Structural Holes, Innovation and the Distribution of Ideas” in A. Pyka, Scharnhorst, A. (eds.), *Innovation Networks – New Approaches in Modelling and Analyzing*, Springer Complexity, Understanding Complex Systems, Berlin et al. 2008. (also published in the *Journal of Economics of Interaction and Co-ordination*”, vol (2), pp 93-101, 2007.
- Cowan, R., E. Fauchart, D. Foray and P. Gunby, “Learning from Disaster”, in *Applied Evolutionary Economics and the Knowledge-Based Economy*, A. Pyka and H. Hanusch (eds.), Edward Elgar: Cheltenham, pp. 40-71. 2006.
- Cowan, Robin, “Waves and Cycles: Explorations in the Pure Theory of Price for Fine Art”, in Cristiano Antonelli, Dominique Foray, Bronwyn Hall and Ed Steinmueller eds. *New Frontiers in the Economics of Innovation: Essays in Honour of Paul David*” pp.188-204. Edward Elgar, 2006.
- Cowan, R. “Network models of innovation and knowledge diffusion” in *Clusters, Networks and Innovation*, S. Breschi and F. Malerba (eds.) Oxford University Press: Oxford, pp. 29-53, 2005.
- Cowan, R. and N. Jonard, “Network formation, innovation and IT use”, in: *The Economics of the Digital Society*, L. Soete and B. ter Weel (eds.), Edward Elgar: Cheltenham, pp. 44-63, 2005.
- Cowan, Robin, Nicolas Jonard “Knowledge Creation and Flows in Science” in D. Fornahl, C. Zellner and D. Audretsch (eds.) *The Role of Labor Mobility and Informal Networks for Knowledge Transfer*. Springer, 2005, pp. 187-210.

- Cowan, R. “Зависимость от предшествующей траектории развития, причинная связь и экономическая политика” *Экономический вестник Ростовского Государственного Университета* (“Path dependence, causation and economic policy”), *Rostov Economic Herald*, vol 2(4), pp. 10-29, 2004.
- Cowan, Robin, “Economic Overview of Open Access and the Public Domain in Digital Scientific and Technical Information” in J.M. Esanu and P.F. Uhler (eds.) *Open Access and the Public Domain in Digital Data and Information for Science*, National Academies Press, Washington, D.C. 2004.
- Cowan, Robin, Nicolas Jonard and Jean-Benoit Zimmermann “On the Creation of Networks and Knowledge” in Gallegati, M., A.P. Kirman, and M. Marsili (eds.) *The complex Dynamics of Economic Interaction: Essays in Economics and Econophysics*, Springer, 2004.
- Cowan, Robin, “Jay Gould” in Joel Mokyr (ed.) *Oxford Encyclopaedia of Economic History*, 2003.
- Cowan, Robin, “Technology of Pest Control” in Joel Mokyr (ed.) *Oxford Encyclopaedia of Economic History*, 2003.
- Cowan, Robin, and Staffan Hultén, “The Automobile Industry and Technology” in Joel Mokyr (ed.) *Oxford Encyclopaedia of Economic History*, 2003.
- Cowan, Robin and Nicolas Jonard “The Workings of Scientific Communities “in A. Geuna A. Salter, and E. Steinmueller (eds.) *Science and Innovation. Rethinking the rationales for funding and governance.*, pp. 309-334. Cheltenham: Edward Elgar, 2003.
- Cowan, Robin, Nicolas Jonard and Jean-Benoit Zimmermann “The Joint Dynamics of Networks and Knowledge”, in Robin Cowan and Nicolas Jonard (eds.), *Heterogeneous Agents and Interactions and Economic Performance* vol. 521 *Lecture Notes in Economics and Mathematical Systems*, Springer, pp. 155-174, 2003.
- Cowan R., Harison E. “Intellectual Property Rights in Intelligent-Agent Technologies: Facilitators, Impediments and Conflicts”, in: Institute for Technology Assessment and Systems Analysis (ITAS) and VDI/VDE-IT Information Technologies (eds.), *Innovations for an e-Society: Challenges for Technology Assessment*, Conference Preprints, Berlin, ISBN: 3-89750-097-3, 2001.
- Cowan, Robin and Nicolas Jonard “Knowledge Creation, Knowledge Diffusion and Network Structure” in *Economies with Heterogeneous Interacting Agents*, A. Kirman and J-B. Zimmermann (eds.) Springer, 2001.
- Cowan, Robin and Dominique Foray, “On the Codifiability of Knowledge: Technical Change and the Structure of Cognitive Activities” in P. Petit (ed.) *Economics and Information*, Kluwer Publishers, pp. 155-165. 2001.
- Cowan, Robin and René Wintjes, “Criação, funcionamento e exploração da mudança tecnológica localizada: exemplos de intervenção pública” in Cristiano Antonelli and Jpão Ferrão (eds.) *Comunicação, Conhecimento Coletivo e Inovação: As vantagens da aglomeração geográfica* Imprensa de Ciências Sociais, Lisbon, 2001.

- Cowan, Robin, “Learning Curves and Technology Policy: On Technology Competitions, Lock-In and Entrenchment” in C.-). Wene, A. Voß, T. Fried (eds.) *Experience Curves for Policy Making: The Case of Energy Technologies*, Institut für Energiewirtschaft und Rationelle Energieanwendung, Stuttgart, 2000.
- Cowan, Robin and Dominique Foray, “Économie de la Codification et de la Diffusion des Connaissances”, in P. Petit (ed.) *L'économie de l'information: Les enseignements des théories économiques*, Éditions la Découverte, 1998.
- Cowan, Robin, William Cowan and Peter Swann, “Interacting Consumers, Externalities and Waves in Demand”, in G. Silverberg and F. Schietzler (eds.) *Yearbook on Self-Organization* vol. 9, Duncker & Humboldt, pp. 295-314, 1998.
- Cowan, Robin and Dominique Foray. “The Changing Economics of Technological Learning: Implications for the Distribution of Innovative Capabilities in Europe” in Stanley Metcalfe and Xavier Vence Deza eds. *Wealth From Diversity: Innovation, Structural Change and Finance for Regional Development in Europe*, Kluwer Academic Publishers, pp. 75-101, 1996.
- Cowan, Robin. “The Informatization of Government: From Choice of Technology to Economic Opportunity” Commissioned for the OECD/Tübitak Conference on “The Changing Role of Governments in Introducing New Information Technologies”, Ankara, September 1993; in *Science, Technology, and Industry Review*, No. 16, pp. 195-223, 1995.
- Cowan, Robin. “Causation and Genetic Causation in Economic Theory”, in Peter J. Boettke, ed., *The Elgar Companion to Austrian Economics* Aldershot: Edward Elgar, pp. 63-71, 1994.
- Cowan, Robin. “High Technology and the Economics of Standardization” in M. Dierkes and U. Hoffman, eds. *New Technology at the Outset: Social Forces in the Shaping of Technological Innovation* Frankfurt/Main: Campus Verlag, pp. 279-300, 1992.
- Cowan, Robin. “Rendements croissants d'adoption et politique technologique” in *L'Évaluation économique de la Recherche et du Changement Technique* in J. De Bandt and D. Foray eds. Paris: Éditions du Centre National de la Recherche Scientifique, pp. 381-398, 1991.
- Cowan, Robin. “Technological Competition and Variety: Issues of Diffusion and Intervention” in G. Bell, ed. *Technology and Productivity: The Challenge for Policy*, Paris: Organization for Economic Cooperation and Development, pp. 509-522, 1991.

Books and Monographs

- Cowan, Robin, and D. Quah, (eds.) *The Economics of Knowledge*. forthcoming in “The International Library of Critical Writings in Economics” Edward Elgar.
- Cowan, Robin and Nicolas Jonard (eds.), *Heterogeneous Agents, Interactions and Economic Performance* vol. 521 *Lecture Notes in Economics and Mathematical Systems*, Springer, 2003.
- Cowan, Robin and Staffan Hultén (eds). *Electric Vehicles: Socio-economic Prospects and Technological Challenges*: Aldershot: Ashgate Press, 2000.

Cowan, Robin and Mario J. Rizzo, (eds.) *The Moral Status of Profits*, Chicago: University of Chicago Press, 1995.

Book Reviews

2003 Cowan, Robin, Review of *Hayek vs Keynes: A Battle of Ideas* by Thomas Hoerber, forthcoming, *Metascience* DOI: 10.1007/s11016-018-0345-8

Cowan, Robin, Review of *The Organization of Economic Innovation in Europe* by Alfonso Gambardella and Franco Malerba (Eds.), *Research Policy*, vol. 30(7), pp. 1162-1164, 2001.

Cowan, Robin. Review of *Computer Simulations in Science and Technology Studies* by P. Ahreweiler and N. Gilbert. (eds.) *Research Policy*, vol 29(9), pp.1193-1195, 2000.

Cowan, Robin. Review of *The Demise of Nuclear Energy? Lessons for Democratic Control of Technology* by Joseph G. Morone and Edward J. Woodhouse. *Journal of Economic History* Vol. 50, pp. 234-236, March 1990.

Cowan, Robin. Review of *The Suppression of the Automobile: Skulduggery at the Crossroads* by David S. Beasley. *Journal of Economic Literature* Vol. 27, pp. 1681-1684, Dec. 1989.

Reports

Overwalle, G., B. Bedsted, Robin Cowan, M. Elsmore, F. Lissoni, P. Lotz, J. Schovsbo & J. van der Eijk, Policy options for the improvement of the European patent system. STOA: European Parliament / Science and Technology Options Assessment, Denmark 2007.

Cowan, Robin and Elad Harison “Intellectual property rights in a knowledge-based economy” Achtergrondstudie 21, Adviesraad voor het Wetenschaps- en Technology, 2001.

Cowan, Robin and Elad Harison “Protecting the digital endeavour: prospects for intellectual property rights in the information society” Achtergrondstudie 22, Adviesraad voor het Wetenschaps- en Technology, 2001.

Cowan, Robin, and Geert van de Paal European Innovation Policy in the Knowledge-Based Economy Brussels: European Commission Directorate General: DG-Enterprise, 2000.

Cowan, Robin, Georges Ferné and Dominique Foray. *Information Technology Standards: The Economic Dimension*. Paris: Organization for Economic Cooperation and Development, [ICCP Report 25] 1991.

Cowan, Robin, Dominique Foray and Pierre Mohnen, “The Relationship between Military R&D and the Civilian Innovation System” commissioned by CRAD, Department of National Defense, Canada, 1998. Circulated as IMRI Working Paper WP98/06, Université Dauphine, Paris.

Cowan, Robin and David Kline. “The Implications of Potential “Lock-In” in Markets for Renewable Energy” commissioned by the US National Renewable Energy Laboratory, 1996. Circulated as National Renewable Energy Laboratory Working Paper NREL/TP-460-22112, 1996.

Introductions to Edited Volumes

Autant-Bernard, Corinne, Nadine Massard and Robin Cowan “Editors’ introduction to spatial knowledge networks: structure, driving forces and innovative performances” special issue of *Annals of Regional Science*, (2014) 53:315–323 DOI 10.1007/s00168-014-0642-0

Cowan, Robin and Nicolas Jonard, “Preface”, in Robin Cowan and Nicolas Jonard (eds.), *Heterogeneous Agents and Interactions and Economic Performance* vol. 521 *Lecture Notes in Economics and Mathematical Systems*, forthcoming Springer, 2002.

Cowan, Robin and Staffan Hultén, “The Electric Vehicle: A Problem of Entrenchment or of Technological Impossibility?” in R. Cowan and S. Hultén eds. *Electric Vehicles: Socio-economic Prospects and Technological Challenges*: Alersshot: Ashgate Press 2000.

Cowan, Robin and Mario J. Rizzo. “Fundamental Issues in the Justification of Profits” in R. Cowan and Mario J. Rizzo eds. *Profits and Morality*, Chicago: University of Chicago Press, pp. 1-21, 1995.

Current Working and Submitted Papers

Innocenti, Stefania & Robin Cowan, 2016, Mimetic behaviour and institutional persistence: A two-armed bandit experiment, UNU-MERIT Working Paper [2016-028](#) revise and re-submit, *European Economic Review*

Cowan, R. T. Folta, “Disentangling Synergy and Redeployment” revise and resubmit, *Strategic Management Journal*.

Cowan, Robin, Nicolas Jonard, “The co-evolution of organizational performance and emotional contagion”, UNU-MERIT Working Paper 2012-012; submitted to *Organization Science*.

Barnard, Helena, Robin Cowan, Alan Kirman & Moritz Müller, 2016, Including excluded groups: The slow racial transformation of the South African university system, UNU-MERIT Working Paper [2016-024](#)

Rivera León, Lorena; Mairesse, Jacques; Cowan, Robin “Gender Gaps and Scientific Productivity in Middle-Income Countries: Evidence from Mexico” Inter-American Development Bank Working Paper. <http://dx.doi.org/10.18235/0000671>, <https://publications.iadb.org/handle/11319/8243>

Rivera Leon, Lorena, Jacques Mairesse & Robin Cowan, 2016, “An econometric investigation of the productivity gender gap in Mexican research, and a simulation study of the effects on scientific performance of policy scenarios to promote gender equality”, UNU-MERIT Working Paper [2016-072](#)

Cowan, Robin, Moritz Mueller and Lorena Rivera León, “Scientific collaboration in South African research networks”

ACADEMIC HONOURS AND AWARDS

Senior Member Institut Universitaire de France, 2013-2018.

Member, Cercle Gutenberg, 2013-present

Chaire d'Excellence, 2004, Ministère de l'Éducation Nationale de l'Enseignement Supérieur et de la Recherche de France.

Best Paper Award from the Organization and Management Theory Division of the Academy of Management 2009 (with Joel Baum and Nicolas Jonard).

Anbar/Emerald Citation of Excellence for Research Implications for the paper: “Expert Systems: Aspects of and Limitations to the Codifiability of Knowledge”.

Anbar/Emerald Citation of Excellence for Research Implications for the paper: “A Model of Demand with Interactions Among Consumers”.

Anbar/Emerald Citation of Excellence for Practical Implications for the paper: “Escaping Lock-In: The Case of the Electric Vehicle”.

Anbar/Emerald Citation of Excellence for Originality for the paper: “Escaping Lock-In: The Case of the Electric Vehicle”.

Honourary Research Fellow, Centre for Research on Innovation and Competition, University of Manchester.

INVITED LECTURES

Invited Lecturer, Ninth Annual Mediterranean Summer School on Industrial Economics, Cargès, France, September 1994.

Invited Lecturer, European Summer School on Industrial Dynamics, Cargès, France, September 1998, 2000, 2002.

Invited Lecturer, European Summer School, Economics of Technical and Institutional Change, Strasbourg, Maastricht, 1998-2005.

Keynote Speaker: Tulipomania.com: A Critique of the New Economy, DeBalie, Amsterdam, June 2000.

Keynote Speaker: New Economy, Information Society, Siena, November, 2000.

Invited Speaker: International Symposium on Open Access and the Public Domain in Digital Data and Information in Science, UNESCO and Codata, Paris, March, 2003.

Rapporteur, “The Europe of Knowledge: 2020. A vision for university-based research and innovation.”, Organized by the European Commission, DG Research, Liege, April, 2004.

Invited Lecturer, CICALICS Academy and Workshop on the Study of Innovation and Innovation Systems, Tsinghua University, Beijing, 2005.

Invited Lecturer, DIMETIC Summer School, Strasbourg, Maastricht, 2005-2010.

Keynote Speaker: “NVN Symposium, Long tales and other tales” NWO Research Programme Network of Networks Amsterdam, March 2007.

Invited Lecturer, Jena Summer Academy on “Innovation and Uncertainty”, Jena, July, 2008, July, 2012.

Invited Lecturer, GREQAM Summer School 2008, The Economics of Knowledge: Innovation, Aix-en Provence, October, 2008.

Invited Lecturer ESNIE, European School on New Institutional Economics, Cargès France, June 2010.

Invited Lecturer DEIP, Design and Evaluation of Innovation Policy, Thailand, March, 2012.

Keynote Address: Italian Society for Industrial Economics and Policy, Naples, February, 2014.

Keynote Address: International Conference: “What’s new in the economics of innovation? Theory, empirics and public policy” Grenoble, December 2016.

Invited lectures German Network for New Economic Dynamics (GENED), Karlsruhe Institute of Technology, October 2017.

SCHOLARSHIPS

1985 Summer Grant from the Andrew Mellon Foundation through the Population Studies Committee at Stanford

1985 Grant from the Canadian Committee for IIASA, to attend the Young Scientists Summer Program at the Institute for Advanced Systems Analysis, Vienna.

1983-86 Canada Council Doctoral Fellowship

1982-85 Stanford University Graduate Fellowship

1981-82 Ontario Graduate Scholarship

REFEREEING

Journals

Management Science; Academy of Management Review; American Economic Review; Organization Science; Economic Journal; Journal of Political Economy; Science; European Economic Review; Industrial and Corporate Change; Ricerche Economiche; Growth and Change; Economic Development and Cultural Change; Economics of Innovation and New Technology; Journal of Evolutionary Economics; Journal of Industrial Economics; International Journal of Industrial Organization; Research Policy; Economic Dynamics and Structural Change; Journal of Economic Dynamics and Control; Economic Theory; Review of Political Economy; Journal of Economic Behavior and Organization; Physica A; Scandinavian Journal of Economics; Canadian Journal of Economics; Physical Review E; Journal of Public Economics; Journal of Economic Theory; Complexity; Annals of Regional Science; Journal of Management Studies; Journal of the Economics of Interaction and Coordination; Strategy Entrepreneurship Journal

Publishers

University of Michigan Press
McGraw-Hill Ryerson
Edward Elgar

Macmillan
University of Chicago Press

Granting Agencies

Social Sciences and Humanities Council of Canada (SSHRC); Nederlandse Organisatie voor Wetenschappelijk, Netherlands (NWO); National Science Foundation, USA; L'Agence Nationale de la Recherche, France; National Research Foundation, South Africa; Research Council of Norway; European Science Foundation; Oesterreichische Nationalbank's Anniversary Fund; Austrian Science Fund; Academy of Finland; Tekes Finnish Funding Agency for Technology and Innovation

UNIVERSITY SERVICE

- 2012 - 2016 Director, Creative and Sustainable Economies and Societies (CSES) a Project of Excellence within the University of Strasbourg Initiative of Excellence, funded by the French Ministry of Research and education.
- 2009 - 2012 United Nations University Core Working Group on post graduate degrees
- 2007 - 2010 Coordinator, Master in Industrial organization and economics of knowledge, Université Louis Pasteur/Université de Strasbourg
- 1999 - present Director, UNU- MERIT (formerly joint MERIT/UNU-INTECH) PhD. Programme, Maastricht University
- 1998 - 2004 Coordinator, ESST Master's programme, MERIT participation
- 1998 - 2000 Member, Management Team, METEOR Research School, Faculty of Economics an Management, Maastricht University
- 1990 - 1992 Graduate Affairs Committee, University of Western Ontario, Department of Economics
- 1993 - 4 Course Coordinator, Economics 184, Cost-Benefit Analysis, University of Western Ontario, Department of Economics
- 1987 - 1990 Graduate Admissions Committee, New York University, Department of Economics
- 1987 - 1990 Recruitment Committee, New York University, Department of Economics
- 1987 - 1990 Development Economics Graduate Core Director, New York University, Department of Economics

TEACHING EXPERIENCE

New York University

Mathematics for Economists (Ph.D)
Economic Development (Ph.D, MA)
Ethics and Economics (Ph.D)

Industrial Organization (PhD, Undergraduate)

University of Western Ontario

Mathematics for Economists (Ph.D)

Economic Development (Ph.D, MA, Honours and General Undergraduate)

Cost Benefit Analysis (Undergraduate)

Intermediate Microeconomic Theory (Honours Undergraduate)

Microeconomic Policy (Undergraduate)

Maastricht University

Intermediate Microeconomics (Undergraduate)

History of Economic Thought (Undergraduate)

Network Economics (Undergrad, Masters, PhD)

Industrial Organization (PhD)

Microeconomics (PhD)

e-Business and e-Economics (Undergraduate; Masters)

Introduction to Economics (Undergraduate)

Université Louis Pasteur/Université de Strasbourg

Evolutionary Game Theory (Masters)

Modelling Economic Dynamics (Masters)

Network Economics (Masters)

Economics of Innovation (Masters)

Economics of Strategy (Undergrad)

Management of Innovation (Masters)

Research Methods (Undergrad)

PH.D. THESIS SUPERVISION

Maastricht University

John Adeoti “Technology Investment in Pollution Control in Sub-Saharan Africa” 2002

Viki Sontag “Speed, Scale and Sustainability”, 2003.

Stéphane Malo “The Combinatorial Chemistry Revolution: Sustaining a superior performance position through technological learning”, 2003.

Gottfried Leibrandt “Payment Instruments and Network Effects”, 2004.

Muge Ozman “Networks, Organizations and Knowledge”, 2005.

Elad Harison “Intellectual Property Rights: A Facilitator of Technological Diffusion or towards a Monopolistic Competition? A Comparative Analysis of Market Dynamics in Software Platforms”, 2005.

Thomas Pogue “The Evolution of research Collaboration in South African Gold Mining: 1886-1933”, 2006.

Andreas Reinstaller “Social Structures and the Innovation Process”, 2006.

Bulat Sanditov “Essays on Social Learning and Imitation”, 2006.

Saurabh Arora “Knowledge Flows and Social Capital: A network perspective on rural innovation”, 2008.

- Abraham Garcia “The Role of Demand in Technical Change”, 2008.
- Zakaria Babutsidze “Essays on Economies with Heterogeneous Interacting Consumers”, 2010.
- Lina Sonne “Towards an Understanding of Financing of Rural Innovation: Evidence from India”, 2011.
- Lillia Stubrin “High Tech Activities in Emerging Countries: A network perspective on the Argentinian biotech activity” 2013.
- Anant Kamath “Information Sharing through Informal Interaction in Low Tech Clusters” 2013.
- Francois Lafond “The evolution of knowledge systems: Network models and scaling laws” 2014.
- Florian Henning “Living up to Standards Interoperability Governance and Standards Adoption in Government Information Networks” 2014.
- Michael Verba “Innovation and Knowledge Dynamics” 2017.
- Stefania Innocenti “The agency structure feedback loop. An explanation for institutional persistence.” 2018.
- Tatevik Poghodan “How does the network structure affect firm performance and innovation incentives in transition countries. The case of Armenia” 2019.

Theses in progress:

- Kirsten Haaland “Open Source Software and Technical Innovation”
- Ezekial Tacsir “Status Effects and Educational Choices: the case of Argentina”
- Lorena Rivera-Leon “Expanding the knowledge base in Middle Income Countries: an economics of science perspective”
- Mario Gonzalez-Suari “Structure and knowledge creation in Latin American academic networks”
- Hugo Confraria “Scientific production and knowledge transfer in Africa: Determinants of citation impact and economic returns”
- Giulia Rossello “Social transformation in South African academic science: A multiplex network analysis”
- Michelle Gonzalez Amador “Tertiary-Education Investment Dynamics of the Poor”
- Flavia Filipin “Creation of knowledge and diffusion of innovations: Moore's law and the semiconductor manufacturing industry”

University of Strasbourg

- Moritz Mueller “Formation of Industrial Research Networks”, 2010.
- Serdal Ozusaglam “Production et considerations environnementales: sont-elles compatibles? Une étude sur la relation de l'éco-innovation et les performances de l'entreprise” 2014.

Theses in progress:

Charlotte Guillard “Processes of imitation and innovation in trade and industry networks”

University of Western Ontario

Philip Gunby “Explaining Adoption Patterns of Process Standards” 1997.

New York University

Zheng Gu “A Microeconomic Analysis on the Work Incentive Problem in Rural China”. 1988

George Kyriacou “Growth, Human Capital and the Convergence Hypothesis: A Cross-Country Study”, 1989.

Walter Roncada “Product and Process Innovations and Competitiveness at the Industry Level”, 1988.

Paulo Macedo “Diffusion of Modern Inputs in the Brazilian Agricultural Sector”, 1989.

Susan Christopherson “International Competition in Research and Development: Incentives to Subsidize and Retaliate” 1989.

RESEARCH GRANTS

2018-2021	<i>Social Transformation in South African Science and Innovation</i> , Research grant: Agence Nationale de la Recherche, France.	€ 277,000
2013-2018	<i>Institut Universitaire de France</i>	€ 175,000
2012-2015	<i>CSES Creative, Sustainable Economies and Societies</i> , Project of Excellence — University of Strasbourg Excellence initiative	€ 375,000
2006-2009	<i>NEMO: Network Models, Governance and R&D Collaboration Networks</i> European Commission NEST, 6 th Framework Programme	€ 150,000
2004-2008	<i>Chaire d'Excellence</i> , Ministry of Education and Research, France	€ 400,000
2002-2004	<i>Innovation, Networks and the Creation of Knowledge: iNeck</i> Thematic Network under the Fifth Framework Programme, European Commission	€ 108,800
2001-2002	<i>Innovation and Networks: Structural Effects on Knowledge Creation and Diffusion</i> Canada France Research Foundation	\$ 10,000
1999-2000	<i>European Innovation Policy in the Knowledge-Based Economy</i> Policy research funded by the European Commission	€ 100,000
1999	<i>International Workshop on Path Creation in Economic Systems</i> funded by the Market Technology Centre, Stockholm	SEK 56,000
1998-2001	<i>Modelling the Evolution of Consumption and Demand</i> SSHRCC Research Grant	\$ 35,000
1997	<i>Seminar on Evolutionary Economics</i> Research Seminar funded by Telia, Swedish Telecom; Swedish State Railways; Marketing Technology Centre; and the Prince Bertil Foundation.	SEK 168,000
1996-97	<i>Technology Lock-In and Renewable Energy Technologies</i> Funded	\$ 12,000

	Research, The National Renewable Energy Lab, Colorado.	
1993-6	<i>Technical Variety, Information Diffusion and Technological Trajectories</i> SSHRCC Research Grant.	\$ 30,000
1991	<i>Technical Change at the User Level</i> UWO Internal SSHRCC Research Grant.	\$ 5000
1990	<i>The Moral Status of Profits</i> Liberty Fund Symposium Grant.	\$ 39,000
1989-90	<i>Agricultural Pest Control and Technological Lock-In</i> C.V. Starr Center for Applied Economics Research Grant.	\$ 9,000

PHD RESEARCH GRANTS

2000	<i>Intellectual Property Rights: A Facilitator of Technological Diffusion or towards a Monopolistic Competition? A Comparative Analysis of Market Dynamics in Software Platforms</i>	NWO OiO PhD grant
2000	<i>Regional Innovation Systems and Innovation Regimes</i>	METEOR AiO PhD grant
2000	<i>Financing Industrial Innovation: Financial Systems as Information Networks</i>	METEOR AiO PhD grant
2001	<i>Creative Destruction and Firm Behaviour: An Interacting Agents Analysis of Path Creation and Destruction</i>	METEOR AiO PhD grant
2002	<i>Intellectual property policy in a global market; innovation and technology transfer in the knowledge based society</i>	Univ. Maastricht Faculty of Law AiO PhD grant

PROFESSIONAL SERVICE

Editorial Boards

Editorial Review Board Member: *Strategy Entrepreneurship Journal*
 Associate Editor: *Management Science* 2010-2013 (currently guest Associate Editor)
 Editorial Board Member: *Journal of Economics of Interaction and Coordination*
 Editorial Board Member: *Economics of Innovation and New Technology*
 Editorial Board Member: *International Journal of Networks and Virtual Organizations* 2002-2008
 Editorial Board Member: *Computational and Mathematical Organization Theory* 2000-2005
 Co-editor, Special issue of *Annals of Regional Science*, "The spatial dimension of innovation networks" (with C. Autant-Bernard and N. Massard)

Scientific Boards

Scientific Board Member: Research Centre on Cognitive Science and Communication of the Catholic University of Milan
 Executive Committee Member: DIME, Dynamics of Institutions and Markets in Europe, European Union 6th Framework Programme Network of Excellence.

Programme Committees

Member: Comité d'évaluation du Programme générique Agence Nationale de Recherche de France

Member: Comité d'évaluation du Programme thématique Agence Nationale de Recherche de France "Formes et mutations de communication : processus, compétences, usages"

Member: Comité d'évaluation du Programme thématique Agence Nationale de Recherche de France "La création : processus, acteurs, objets, contextes"

Member: Comité de rédaction "La création : acteurs, objets, contexte" Agence Nationale de la Recherche de France

Conference Organization

European Meeting of Applied Evolutionary Economics, Strasbourg 2017, member Scientific Committee

"Workshop on Academic Science in South Africa" CREST and STIAS, Stellenbosch, South Africa, April 2016.

Session Coordinator, ETIC, DIMETIC summer school on the economics of innovation, 2003-2010.

Son of iNeck Workshop on Network Research, Ottrot France, April, 2006.

Workshop on network research as part of the European Commission Fifth Framework Programme project *iNeck: Innovation, Networks and the Creation of Knowledge: iNeck* Strasbourg, 2005.

"Workshop on Economics with Heterogeneous Interacting Agents" 6th annual Wehia conference, Maastricht, June 2001. Chair of the organizing committee.

"International Workshop on Path Creation in Economic Systems" Maastricht, May, 1999. Organized jointly with Staffan Hultén and Rene Kemp.

"International Seminar on the Economics of the Electric Vehicle" Paris, March, 1997; Stockholm, October, 1997. Organized jointly with Staffan Hultén.

"International Seminar on Evolutionary Economics as a Research Programme" Stockholm, May, 1997; October, 1997. Organized jointly with Staffan Hultén.

"The Moral Status of Profits", Liberty Fund Seminar, Montreal, December, 1990. Organized jointly with Mario Rizzo.

Conference Scientific Committees

EMAEE European Meeting on Applied Evolutionary Economics, Maastricht, June 2015 and Strasbourg June 2017.

Fifteenth Schumpeter Conference, Jena, July, 2014.

WEHIA Workshop in Economics with Heterogeneous Interacting Agents, Tianjin, June 2014.

Second International Geography of Innovation Conference, Utrecht, January 2014.

WEHIA Workshop in Economics with Heterogeneous Interacting Agents, Paris, June 2012.

First International Geography of Innovation Conference, St.Etienne, January 2012.

DIME Workshop 2.1 on 'Distributed Networks and the Knowledge-based Economy' Sofia Antipolis, May, 2007.

Consomation et Marchés: Une approche par les interactions sociales. Paris, March, 2007.
WEHIA Workshop in Economics with Heterogeneous Interacting Agents, Bologna, June 2006.
DRUID Summer Conference, Knowledge, innovation and Competitiveness: Dynamics of Firms, Networks, Regions and Institutions, Copenhagen, June 2006.
The 4th Congress on Proximity Economics: Proximity, Networks and Co-ordination: Marseille, June, 2004.
WEHIA Workshop in Economics with Heterogeneous Interacting Agents, Kyoto, June 2004.
WEHIA Workshop in Economics with Heterogeneous Interacting Agents, Kiel, June 2003.
Evaluation of Government Funded R&D Activities, Vienna, May, 2003
Evaluation of Government Funded R&D Activities, Vienna, May, 2003.
Rethinking Science Policy: Analytic Frameworks for Evidence-Based Policy, Brighton, March, 2002
EMAEE European Meeting on Applied Evolutionary Economics, Vienna, September 2001
WEHIA Workshop in Economics with Heterogeneous Interacting Agents, Trieste, June 2002.
WEHIA Workshop in Economics with Heterogeneous Interacting Agents, Maastricht, June 2001 (chair of organizing committee)
WEHIA Workshop in Economics with Heterogeneous Interacting Agents, Marseille, June 2000

Other

Preparation of Graduate Record Exam Questions in Development Economics

PRESENTATIONS

Recent Conference Presentations

- Workshop on Academic Science in South Africa, Stellenbosch, April, 2016.
- New Frontiers in the Economics and Management of Innovation, Milan, March 2012.
- Invited speaker, EUROLIO European Seminar, Geography of Innovation, Saint Etienne, January, 2012.
- Conference in Honour of Peter Swann, Nottingham Business School, November 2011.
- iNeck, (Innovation Networks and the creation of knowledge) workshop, Marseille, April, 2008.
- DIME Workshop “Distributed Networks and the Knowledge-based Economy” Nice, France, May, 2007.
- Network of Networks Conference, Amsterdam, April, 2007.
- DRUID Summer Conference, Copenhagen, June, 2006.
- WEHIA Workshop on Economics with Heterogeneous Interacting Agents, Bologna, June, 2006
- International Workshop on Complex Networks, Abdus Salam International Center of Theoretical Physics (ICTP) at Trieste , May, 2005.
- DRUID Summer Conference, Copenhagen, June, 2005.
- DRUID Summer Conference, Helsingor, June, 2004.
- Schumpeter Society Meetings, Milan, June 2004.
- Congress on Proximity Economics, Marseille, June 2004.
- DRUID Summer Conference, Helsingor, June, 2003.
- DRUID Summer Conference, Helsingor, June, 2002.
- WEHIA: Workshop on Economics with Heterogeneous Interacting Agents, Trieste, June, 2002.
- Conference in Honour of Ehud Zuskovitch, Strasbourg, May 2002.
- International Conference on Intellectual Property, the Internet, Electronic Commerce and Traditional Knowledge, Sofia, May 2001.
- Innovations for an e-Society: Challenges for Technology Assessment,
Workshop Reappraising Production Theory: Concepts, Cases and Models, Max Planck
Institute for Research into Economic Systems in Jena, December, 2001
- WEHIA: Workshop on Economics with Heterogeneous Interacting Agents, Maastricht, June, 2001.
- WEHIA: Workshop on Economics with Heterogeneous Interacting Agents, Marseille, June, 2000.
- TIPIK conference, Strasbourg, March, 2001
- Keynote address: New Economy, Information Society, Siena, November, 2000.
- Keynote address: Tulipomania.com Amsterdam, June 2000.
- Eighth International Joseph A. Schumpeter Society Conference, Manchester, June, 2000.
- WEHIA: Workshop on Economics with Heterogeneous Interacting Agents, Genoa, June, 1999.
- International Workshop on Path Creation in Economic Systems, Maastricht, May, 1999.
- DRUID Conference on National Innovation Systems, Industrial Dynamics and Innovation Policy, Rebuild, June 1999.

International Workshop on Experience Curves for Policy Making: The case of energy technologies, Stuttgart, May, 1999.

International Seminar on Evolutionary Economics as a Research Programme, Stockholm, May, 1997.

International Seminar on the Economics of the Electric Vehicle, Paris, March 1997.

Villa Columbella Group Annual Seminar, Rome, 1996.

International Workshop: “The Economics of Localized Technological Change” Torino, 1995.

Canadian Economics Association Meetings, Fredericton, 1994.

Western Ontario/Michigan Economic Theory Conference, London, 1994.

Schumpeter Society Meetings, Münster, Germany, 1994.

Research Seminar on Path Dependence and Escape from Lock-In, Stockholm School of Economics, February, 1994.

Canadian Economics Association Meetings, Ottawa, 1993.

Research Seminar on Institutional Change and Network Evolution, Stockholm, June, 1993.

OECD-SPRU International Workshop on Standards, Innovation, Competitiveness and Policy, Brighton, November, 1993.

OECD/Tübitak Conference on “The Changing Role of Governments in Introducing New Information Technologies and Strategies in Establishing Relevant National IT Enhancement Plans”, Ankara, September 1993.

International Seminar: “Path Dependence in Economic Processes: Implications for Policy Analysis in Dynamical Systems Contexts”, Torino, May, 1992.

Research Seminar on Technological Lock-in, BETA, Strasbourg, June 1992

“Technology at the Outset”: International Conference on Social and Institutional Factors Shaping Technological Development, May, 1991. Wissenschaftszentrum Berlin.

Eastern Economics Association Meetings, New York, 1990.

“Technology and Productivity: The Challenge for Economic Policy”: OECD, Paris, June, 1989.

Seminar Presentations

Rogers School of Management, Ryerson University, April 2018.

GREThA, University of Bordeaux, April 2018.

Strasbourg University, November 2017.

UNU-MERIT, Maastricht University, June 2017.

University of Witwatersrand, June, 2016.

HEC Montreal, August, 2015.

SKEMA Business School, Sophia-Antipolis, May 2012.

Judge Business School, Cambridge, March 2011.

Rotman School of Management, University of Toronto, May, 2009.

Universidad Carlos III de Madrid, December 2007.

Maastricht University, January 2007.
Scuola Sant'Anna, Pisa, November 2006.
Universidad Pompeu Fabra, Barcelona, March 2006.
Université Louis Pasteur, June 2004.
Eindhoven Technical University, October, 2003.
Maastricht University, September 2003.
University of Waterloo, June 2003.
Université Louis Pasteur, June, 2003.
Groeningen University, April 2002.
GREQAM, Marseille, January, 2002.
Université de Reims, May 2002.
KUB, Tilburg, October, 2001.
Maastricht University, April 2000.
BETA, University Louis Pasteur, Strasbourg, April, 1999.
University of Paris, Dauphine, September, 1999.
University of Ottawa, November, 1998.
Maastricht University, June, 1998.
CRAD, Department of National Defense, Ottawa, April, 1998.
University of Waterloo, January, 1998.
Université de Lyon II. , Lyon, May, 1997.
GATE, Université de Lyon II. May, 1997.
Université de Lyon II. St. Etienne, May, 1997.
Defense Research Establishment Valcartier, Quebec, April, 1997.
Centre for Research on Innovation and Competition, University of Manchester, March 1997.
MERIT, University of Limburg, September 1997.
Centre for Research and Development, Department of National Defense, Ottawa, Sept. 1996.
ATOM, University of Paris, I, Sorbonne, July, 1996.
GREQAM, CNRS Marseilles, June, 1996.
Ecole Supérieure Nationale des Télécommunications, Paris, May, 1996.
Maastricht Economic Research Institute on Innovation and Technology, University of
Limburg, Holland, September, 1996.
Industrial Institute for Economic and Social Research, Stockholm, October, 1995.
University of Stockholm, October 1995.
CEPREMAP, Paris, June 1995.
New York University, November 1988; April 1995.
University of Western Ontario, February, 1989, April, 1995.
CEPREMAP, Paris, December, 1994.
Ecole des Mines, Paris, June, 1993.
Ecole Centrale, Paris, June, 1992.
Queen's University, March, 1990.
University of Quebec at Montreal, November, 1989.
CREDIT, Montreal, November 1989.
Santa Fe Institute, June, 1989.