

CURRICULUM VITAE

Patrick LLERENA

Professor in Economics at the Faculty of Economics and Management, University of Strasbourg, France,

Researcher at BETA: Bureau d'Economie Théorique et Appliquée (UMR 7522, University of Strasbourg – CNRS), Strasbourg, France

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Research fields

- . Scientific and Innovation Policies: international comparisons
- . Innovation economics; economics of science
- . Theories of the firm and of organisation
- . Decision theory under uncertainty

Positions

- ◇ CEO of the Fondation 'Université de Strasbourg' since march 2009 ;
- ◇ Member of the High Level Economic Expert Group "Innovation for Growth I4G" of the European Commission, Directorate General for Research & Innovation, since september 2011 ;
- ◇ Co-coordinator with B Verspagen (UNU-MERIT, Univ. of Maastricht) of the Network of Excellence DIME 'Dynamics of Institutions and Markets in Europe' since may 2005.
- ◇ In charge of the continuous education programme : 'Stratégie de la propriété intellectuelle et innovation' with the IEEPI, since january 2005.
- ◇ In charge of the continuous education programme : 'Ingénierie des projets innovants', since october 2006.
- ◇ Elected member of the Board of the Faculté de Sciences Economiques et de Gestion since 1995 ;
- ◇ Head of the 'Observatoire Régional de la Recherche et de l'Innovation (O.R.R.I.)', CPER, 2008-2013 ;
- ◇ Member of the Kuratorium (External advisory board) of the Fraunhofer Institut -ISI, Karlsruhe, Germany since 2003.
- ◇ Regular invited professor and coordinator since 2008 at the Scuola Superiore Sant'Anna, Pisa for the Doctoral Program in common doctoral programme in Economics Pisa@Strasbourg.

Other and former positions

- ◇ Associate research fellow at the OST (Observatoire des Sciences et Technologies), Paris, from december 2008 to january 2013;
- ◇ Elected member of the Scientific Board of the Université de Strasbourg, from december 2008 to december 2012 ;
- ◇ Former member of the Expert Commission 'Forschung und Innovation', of the german federal government, attached to the german chancellor, from september 2008 to april 2013.
- ◇ Former member of the expert group 'Eco-système de l'innovation', pour l'initiative 'Strategie Nationale pour la Recherche et l'Innovation' (SNRI), Ministry in charge of higher education and research, Paris from 2009 to 2012.
- ◇ Member of the Strategic committee of 'Etude Technologies Clés 2015', of the french 'Ministère de l'Economie, de l'Industrie et de l'Emploi, Direction Générale de la Compétitivité, de l'Industrie et des Services', in 2010.
- ◇ Project leader for the development of the 'University of Strasbourg Foundation', from nov. 2007 to feb 2009;

- ◇ Director of Bureau d'Economie Théorique et Appliquée, UMR CNRS n°7522, from april 2003 to december 2008;
- ◇ Vice-Director of Bureau d'Economie Théorique et Appliquée, UMR CNRS n°7522, from September 1991 to april 2003;
- ◇ Vice-President of University Louis Pasteur, in charge of industrial relations from jan. 1999 to jan. 2001;
- ◇ Co-founder of the "scientific incubator", SEMIA (Science, Entreprise, Marché: Incubateur d'Alsace);
- ◇ Chargé de mission for the development of Technology Transfer at the University Louis Pasteur, June 1997 – Jan. 1999.
- ◇ Vice-President of the University Louis Pasteur in charge of "Finance and development" from January 1995 to June 1997;
- ◇ Dean of the Faculty of Economics and Management, University Louis Pasteur, from jan. 1993 to jan. 1995;
- ◇ Member of the Scientific Council of the Department of Economics and Social Sciences, at INRA ("National Institute for Agronomic Research") until 2002;
- ◇ Vice-President "Research" of the European Association ESST "Science, Society and Technology" from September 1996 to june 2002;
- ◇ Member of the Scientific Council of DRUID, Copenhagen, Aalborg, Danemark from 1996 to 2006;
- ◇ Member of the Economic and Social Council of Alsace from 1995 to 2000,
- ◇ Elected member of the Scientific Council of the Université Louis Pasteur (September 1993 - December 1994, June 1998 – June 2007).
- ◇ Invited Professor at the University of Aalborg (1998), Scuola Superiore Sant'Anna, Pise (Philip Morris Chair in International Business, 2002), Bocconi University (from 98 to 2001), Univ. La Sapienza, Rome (April-June 2001), EUI, Florence (april – june 2001), Toyo University, Tokyo (march-april 1989), WZB, Berlin (august-september 1987).

Training activities

Responsibilities:

- Master degree, continuing education: 'Ingénierie des projets innovants', since oct. 2006, University of Strasbourg.
- Master degree, continuing education, 'Stratégie de la propriété intellectuelle et innovation', since de janvier 2005, University of Strasbourg.

Past but recent responsibilities:

- Master programme 'Industrial organisation and knowledge economics', from sept. 2005 to sept. 2007.
- Coordinator of the European Doctoral School "ETIC" (Economics of Technological and Institutional Change), august 2000 to jan. 2005
- Coordinateur of the european doctoral training "Economics of Technological and Institutional Change", funded by the UE, jan. 1996 to August 2000.
- in charge of the European Master in Economics of Technological and Institutional Change (METIC), organised by 5 european universities (Aalborg, Sussex, Maastricht, Bocconi and Strasbourg) from 1997 to 2003 ;

Teaching (ongoing and recent):

Master 1, 'Economics and Management' :

- Economics of science (with Julien Penin)
- Innovation economics
- Economic theory of the firm
- R&D organisation in international companies
- Economic history of technologies and firms (with K Bruland)

Master 2, 'Economics and Management', speciality 'Industrial organisation and knowledge economics' :

- New Economic theory of the firm
- Innovation systems and policies

Master 'Engineering of Innovative projects' (with the Strasbourg Business School)

- Economics and Management of Knowledge

- Design and project management
Master 'Property rights strategy and innovation' (with the I.E.E.P.I.)
- Economics of Property rights and technology transfer

Publications

- Articles in journals (refereed): 45 articles since 1985.
- Books and special issues in journals (published and forthcoming): 7 references
- Contributions to edited publications: 59 references
- Papers presented at conference: in general, 5 to 10 papers per year
- Research reports and others: more than 40 since 1987.

- Books and special issues of journals

- ◇ “Technology policies in a Knowledge-based Economy: theories and practices”, with Mireille MATT (eds), Springer Verlag, 2005
- ◇ “Option valuation for energy issues”, with Katrin OSTERTAG (eds), Physica Verlag, 2004
- ◇ “Networks, Local Interactions and Global Phenomena”, Patrick COHENDET, Patrick LLERENA, Hubert STAHN (Eds), Springer Verlag 1999
- ◇ “Innovation, Diversity and Organisation”, Patrick LLERENA, Ehud ZUSCOVITCH (Eds), Collection issues 4/3 et 4/4, Economics of Innovation and New Technology, 120 p., 1996.
- ◇ “Diversité technologique et cohérence en Europe”, Patrick COHENDET, Patrick LLERENA, Arndt SORGE (Eds), Numéro Spécial Revue d'Economie Industrielle, 1er trim 1992, n°59.
- ◇ "Flexibilité, information et décision", Patrick COHENDET, Patrick LLERENA (Eds.), Economica, Paris, 1989.
- ◇ "La productique : concepts, méthodes et mise en oeuvre", Patrick COHENDET, Patrick LLERENA, Pascal PECQUET (Eds.), Economica, Paris, 1987.

- Doctoral dissertation

- ◇ "Décision with incertitude et irréversibilité : fondements de la théorie de la valeur d'option et application aux investissements productifs": Thèse de Doctorat d'Etat de Sciences Economiques, Université Louis Pasteur (Strasbourg I), June 1985.
Supervisor: Jean Paul FITOUSSI, Professor at Institut d'Etudes Politiques and Director of OFCE, Paris.

- Articles in refereed journals

- ◇ “The routinization of creativity: lessons from the case of a video-game creative powerhouse”, *Jahrbücher für Nationalökonomie und Statistik (Journal of economics and statistics)*, vol. 234/2+3, 2014, pp.120-141
- ◇ “Universities and the third mission: a systematic review of reserch on external engagement by academic researchers”, with Markus Perkman, Valentina Tartari, Maureen McKelvey et al., *Research Policy*, vol. 42, issue 2, march 2013, pp 423-442, available online 23 October 2012, doi.org/10.1016/j.respol.2012.09.007, (AERES- A; CNRS-Innov 1)
- ◇ “Institutional change and academic patenting: french universities and the Innovation Act of 1999”, with Antonio DELLA MALVA, Francesco LISSONI, *Journal of Evolutionary Economics*, Vol. 23, 2013, pp. 211–239 (Published online: 21 September 2011 : DOI 10.1007/s00191-011-0243-3) (AERES-A ; CNRS-*OrgInd 2*)
- ◇ “Measuring the technical efficiency of French TTOs: first insights“ with Claudia CURRI, Cinzia DARAIO ; *Cambridge Journal of Economics*, Vol.36 n°3, 2012, pp. 629-654, doi:10.1093/cje/bes020 (AERES-A ; CNRS-*GEN2*)
- ◇ “Eco-innovation through integration, regulation and cooperation: comparative insights from case studies in three manufacturing sectors”, with Marcus WAGNER, *Industry and Innovation*, Vol. 18, November 2011, pp. 747-764 (AERES-B; CNRS-*OrgInd3*)
- ◇ “Networks, irreversibility and knowledge creation”, with Muge OZMAN, *Journal of Evolutionary Economics*, accepted, online june 2011, DOI 10.1007/s00191-011-0231-7, (AERES-A ; CNRS-*OrgInd 2*)

- ◇ “The European university landscape: a micro characterization based on evidence from the Aquameth project” with Cinzia DARIO, Andrea BONACORSI, et al., *Research Policy*, Vol. 40, Issue 1, February 2011, pp.148-164 (AERES-A; CNRS-Innov 1)
- ◇ “A real option reasoning approach to hybrid vehicle investments”, with AVADIKYAN Arman, *Technological Forecasting and Social Change*, Volume 77, Issue 4, May 2010, pp. 649-661 (AERES-A ; CNRS-Inno2)
- ◇ “The innovative firm: nexus of communities and creativity”, with COHENDET Patrick, SIMON Laurent, *Revue d'Economie Industrielle*, n°129-130, 1-2eme trim 2010, pp.139-170 (AERES-B ; CNRS-OrgInd3)
- ◇ “A case study of a creative start-up: governance, communities and knowledge management”, with BURGER-HELMCHEN Thierry, *Journal of Innovation Economics*, n°2, 2008/2, pp. 125-146;
- ◇ “Academic patenting in Europe: new evidence from the KEINS database”, with LISSONI Francesco, McKELVEY Maureen, SANDITOV Bulat, *Research Evaluation*, 2008, Vol.17, n°2, pp. 87-102 (16);
- ◇ “Water pipe renewal using a multiobjective optimization approach”, with Amir NAFI, Cathy WEREY, *Canadian Journal of Civil Engineering*, vol35(1), pp.87-94, 2008 ;
- ◇ “Indicators for HEIs and PRO’s TT activities: insights from the France”, with Laurent BACH, *Science and Public Policy*, December 2007, pp. 709-721;
- ◇ "The emergence and Growth of an improbable laboratory in economics and management: the case of BETA", with Patrick COHENDET, vol.4, issue 1, March 2007, *European Management Review*, pp 54-65.
- ◇ "The private contractual funding of academic laboratories : A panel data analysis", with BOUMAHDI Rachid, CARAYOL Nicolas, *Applied Economic Letters*, Volume 15, Issue 6, 2007, Pages 465 – 468
- ◇ “Patent Production at a European Research University: Exploring Evidence at the Laboratory Level », with J. AZAGRA and N. CARAYOL, *Journal of Technology Transfer*, Vol. 31 n°2, March 2006, pp.257-268 ;
- ◇ “The relation between Science, Technology and their industrial exploitation: an illustration through the myths and realities of the so-called ‘European Paradox’”, with G. DOSI and M. SYLOS-LABINI, *Research Policy*, Vol 35, n°10, 2006, pp. 1450-1464;
- ◇ “A dual theory of the firm between transaction and competences: conceptual analysis and empirical considerations”, with P. COHENDET, *Revue d'Economie Industrielle*, n°110, 2ème trim, 2005, pp.175-198.
- ◇ “Alternative theories on economic growth and the co-evolution of macro-dynamics and technological change: a survey”, with A. LORENTZ, *Revue d'Economie Industrielle*, vol. 105, 1er trim., 2004, pp. 47-70.
- ◇ “Cumulative causation and evolutionary micro-founded technical change: a growth model with integrated economies”, with A. LORENTZ, *Revue Economique*, vol. 55, n°6, Nov. 2004, pp.1191-1214.
- ◇ “Routines and communities in the theory of the firm”, with Patrick COHENDET, *Industrial and Corporate Change*, Vol.12, n°3, 2003, pp.271–297.
- ◇ "The Economics of Knowledge Production: funding and structure of University Research: a book review of A Geuna", *Research Policy*, Vol.31, n°4, may 2002, pp.654-655.
- ◇ "Diversité des processus d'apprentissage et efficacité dynamique des structures industrielles", avec V. Oltra, *Revue d'Economie Industrielle*, n°98, 1er trim, 2002, pp.95-120.
- ◇ "Organisational rules, codification and knowledge creation in inter-organisation cooperative agreements", avec A. Avadikyan, M. Matt, A. Rozan, S. Wolff, *Research Policy*, Vol 30, 2002, pp.1443-1458
- ◇ "Diversity of Innovative Strategy as a source of technological performance", avec V. OLTRA, *Structural Change and Economic Dynamics*, Vol. 13, 2002, pp.179-201.
- ◇ “Flexibilités et modes d’organisation“, avec P. COHENDET, *Revue Française de Gestion*, n°123, avril-mai 1999, pp. 72-79.
- ◇ “La conception de la firme comme processeur de connaissances“, avec P. COHENDET, *Revue d'Economie Industrielle*, N° spécial 'Economie de la Connaissance', vol. 88, 2ème trim. 1999, pp. 211-236 .
- ◇ “Information structure and coordination in technology policy: a theoretical model and two case studies”, with D. FORAY, *Journal of Evolutionary Economics*, Vol.6, n°2, 1996, pp.157-174;
- ◇ "Innovation, diversity and organization from an evolutionary perspective - introduction and overview", with E. ZUSCOVITCH, *Economics of Innovation and New Technology*, 4/3, 1996, pp.187-191.
- ◇ “Complexity control, flexibilities and the coherence of production: principle and applications”, with P. COHENDET et B. MUTEL, *RAIRO*, vol. 29, n°3, 1995, pp. 245-257;
- ◇ “ Innovation in telecommunication and interfirm cooperative agreements”, with S. WOLFF, *Annales des Télécommunications*, Tome 50, n° 2, February, 1995, pp.265-275;

- ◇ "European diversity in Science and Technology", with P. COHENDET, "Artificial Intelligence & Society", Vol. 8, 1994, pp.107-122.
- ◇ "Coherence, diversity of assets: towards an evolutionary approach", with A. AVADIKYAN, P. COHENDET, *Revue Internationale de Systémique*, Vol. 7, n°5, 1993, pp. 505-531.
- ◇ "Evaluation économique des performances et instrumentation de gestion", with P. COHENDET, *Revue d'Economie et de Sociologie Rurale*, N°28, 3ème trim. 1993.
- ◇ "Diversity and valorization of electricity-generation technologies in the European Community", with D. LLERENA, *Utilities Policy*, July 1993, pp.223-232.
- ◇ "Technological diversity and coherence in Europe: an analytical overview", with P. COHENDET et A. SORGE, *Revue d'Economie Industrielle*, 1er trim 1992, n°59.
- ◇ "Introduction" au N°Special Diversité technologique et cohérence en Europe", *Revue d'Economie Industrielle*, 1er trim 1992, n°59.
- ◇ "Structures informationnelles et modes de coordination dans les politiques technologiques de l'Allemagne de l'Ouest", with D. FORAY, *Revue d'Economie Industrielle*, 1er trim 1992, n°59.
- ◇ "Nature de l'information, évaluation et organisation de l'entreprise", with Patrick COHENDET, *Revue d'Economie Industrielle*, 1er trim 1990, n°51.
- ◇ "Les politiques technologiques en France et en RFA: le cas des transports terrestres", with François DESMARTIN, Christine DIVRY, *Revue d'Allemagne*, Tome 22, n°2, avril-juin, 1990.
- ◇ "Télématique et production", *Le Communicateur*, numéro spécial : "Services à valeur ajoutée : mythes et réalités", décembre 1988, n°6, pp.103-127.
- ◇ "Réduire les délais de réaction pour améliorer la production", with Jean-Pierre ABADIE, Patrick COHENDET, Frédéric HERAN, Andréa KRASA, *Revue Française de Gestion*, janvier-février 1988, n°67, pp. 91-102.
- ◇ "Décisions temporairement irréversibles: un modèle de valeur d'option relative", *Revue d'Economie Politique*, vol.97, septembre-octobre 1987, n°5, pp.613-630.
- ◇ "Evolutions récentes des processus productifs: la flexibilité n'est pas tout...", with Patrick COHENDET, *Revue Française de Gestion*, juin-août 1987, pp. 80-83.
- ◇ "Valeur d'option et structure de marchés : le cas du quasi- monopole", with Ehud ZUSCOVITCH, *Economie Appliquée*, Tome XL, 1987, n°1, pp. 97-113.
- ◇ "Système productif et crise économique: essai de synthèse d'un colloque", with Frédéric HERAN, Marc WILLINGER, *Futuribles*, septembre 1983, pp.67-75.

- Contributions to edited books:

- ◇ "Creativity, human resources and organizational learning", with Thierry BURGER HELMCHEN, in Guido Buenstorf (ed), *Evolution, Organization and Economic Behavior*, Cheltenham, Edward Elgar, June 2012, pp. 155-183,
- ◇ "Drivers for sustainability-improving innovation: a qualitative analysis of renewable resources; industrial products and travel services", with Marcus WAGNER, in Wagner M. (ed), "*Entrepreneurship, Innovation and Sustainability*", Greenleaf Publishing Ltd, 2012, pp. 131-148.
- ◇ "La dynamique de l'innovation: une interprétation de l'approche de Michel Callon (1999) en termes de communautés de connaissance", avec P. COHENDET, J.A. HERAUD, in *Débordements : mélanges offerts à Michel Callon*, Presses des Mines, Paris, 2010, pp. 87-106.
- ◇ "Division of labour and division of knowledge in firms' innovative networks: an essay on Ehud Zuscovitch's theoretical perspectives" with P. COHENDET, J.A. HERAUD, in Jean-Luc Gaffard, Evans Salies (ed), "*Innovation, Economic Growth and the Firm: Theory and Evidence of Industrial Dynamics*", Edward Elgar, 2010, pp.169-190
- ◇ "The Knowledge- based entrepreneur: the need for a relevant theory of the firm", with P. COHENDET, in MALERBA F. (ed), "*Knowledge-Intensive Entrepreneurship and Innovation Systems : evidence from Europe*", Roudledge, March 2010, pp. 31-50.
- ◇ "New innovators and knowledge intensive entrepreneurship in some European sectoral systems: a field analysis", with Camilla Lenzi et al., in MALERBA F. (ed), "*Knowledge-Intensive Entrepreneurship and Innovation Systems: evidence from Europe*", Roudledge, March 2010, pp. 179-196.
- ◇ "Division of labour and division of knowledge: a case study of innovation in the video game industry", with T. BURGER-HELMCHEN, P. COHENDET, in U. CANTNER, Uwe, J-L GAFFARD, L. NESTA (Eds.) "*Schumpeterian Perspectives on Innovation, Competition and Growth*", Springer Verlag, 2009, pp. 313-331.

- ◇ “Does the European paradox still hold?”, with G. DOSI, M. SYLOS LABINI, in U. MUL DUR, L. SOETE, H. DELANGUE, “*European Science and Technological Policy: Towards integration or fragmentation ?*”, Edward Elgar, chap. 12, 2009, pp. 214-236
- ◇ “Running the marathon”, with W. COWAN, R. COWAN in M. McKELVEY, M. HOLMEN (eds), “*Learning to compete in European Universities: From Social Institution to Knowledge Business*”, Edward Elgar, 2009, pp. 278-299
- ◇ “Organisation of firms, knowing communities and limits of networks in a knowledge-intensive context”, avec P. COHENDET, in “*Corporate Governance, Organization and the Firm: Co-operation and Outsourcing in the Global Economy*”, MORRONI M. (ed), Edward Elgar, London, 2009, Chap.6, pp.104-120 ;
- ◇ “Scheduling of water distribution systems using a multiobjective approach’ with A. NAFI, C. WEREY, in “*Multiobjective programming and goal programming: theoretical results and practical applications*”, V. BARICHARD & al. (eds), Springer Verlag, 2009, pp. 231-241.
- ◇ “Industry and science relations”, with L. BACH, M. MATT, MF TANG, in “*China: OECD reviews of Innovation Policy*”, OECD, 2008, Chap. 4, pp.189-262;
- ◇ “Chinese research and development programmes for science and technology”, with L. BACH, M. MATT, MF TANG, in “*China: OECD reviews of Innovation Policy*”, OECD, 2008, Chap. 11, 453-492;
- ◇ “La relacion ciencia-tecnologia-industria y la “paradoja europea”: apuntes sobre la dinamica de la investigacion cientifica y tecnologica en Europa” with G. DOSI and M. SYLOS-LABINI, in “*Economia del conocimiento y la innovacion*”, C. CANIBANO SANCHEZ, M.I. ENCINAR DEL POZO, F.F MUNOZ-PEREZ (eds), Piramide, Madrid, 2008, chap. 8, pp. 231-267.
- ◇ “Academic Patenting in Europe: new evidence from the KEINS database”, with F. LISSONI, M. McKELVEY, B. SANDITOV, in “*Academic patents: emerging issues and challenges*”, C SRI KRISHNA (ed), Icfai University Press, 2008, pp. 142-173
- ◇ “The Role of Teams and Communities in the Emergence of Routines”, with P. COHENDET, in “*Handbook on Organizational Routines*”, BECKER M., (ed), Edward Elgar 2008, pp. 256-277.
- ◇ “Division of labor and division of knowledge: why the nature of the causality really matters for the evolutionary theory of the firm ?”, with M. BECKER and P. COHENDET, in “*Innovation, Industrial Dynamics and Structural Transformation: schumpeterian legacies*”, CANTNER U., MALERBA F. (eds), Springer Verlag, 2007, 49-65
- ◇ “Science, Technology, Industry links and the ‘European Paradox’: some notes on the dynamics of scientific and technological research in Europe”, with G. DOSI and M. SYLOS-LABINI, in “*How Europe’s economics learn – coordinating competing models*”, E. LORENTZ, B.A. LUNDEVALL, Oxford Uni. Press, 2007, pp.203-234;
- ◇ “Technology policies in a Knowledge-based Economy: introduction”, with M. MATT, in “*Technology policies in a Knowledge-based Economy: theories and practices*”, P. LLERENA, M. MATT (eds), Springer Verlag, 2005, pp. 1-14.
- ◇ “Technology policy and A-synchronic technologies: the case of german high-speed trains”, with Eric SCHENK, in in “*Technology policies in a Knowledge-based Economy: theories and practices*”, P. LLERENA, M. MATT (eds), Springer Verlag, 2005, pp. 115-134.
- ◇ “Institutional arrangements of technology policy and management diversity: the case of digital switching system in France and Italy”, with M. MATT, S. TRENTI, in “*Technology policies in a Knowledge-based Economy: theories and practices*”, P. LLERENA, M. MATT (eds), Springer Verlag, 2005, pp.135-159.
- ◇ “Y a-t-il un pilote dans la firme évolutionniste ?”, avec P. COHENDET, L. MARENGO in “*Sait-on piloter le changement*”, J-C SARDAS, A-M GUENETTE (eds), L’Harmattan, Paris, 2004, pp. 47-78;
- ◇ “Are stability and persistency appropriate concepts to analyse RD portofolio of university labs ?”, with A. GEUNA, M. MATT, M. SAVONA, in “*R&D, Innovation and Competitiveness in the European Chemical Industry*”, F. CESARONI, A. GAMBARDELLA, W. GARCIA-FONTES (Eds), Kluwer, 2004, pp.145-173.
- ◇ “Interdisciplinary research and the organisation of university: general challenges and a case study”, with F. MEYER-KRAHMER, in “*Science and Innovation: rethinking the rationales for funding and governance*”, A. GEUNA A. SLATER, E. STEINMULLER (eds), Edward Edgar, 2003, pp. 69-88.
- ◇ “Evolutions of the french innovation policies and the impacts on the universities”, with MATT and V. SCHAEFFER in “*Science and Innovation: rethinking the rationales for funding and governance*”, A. GEUNA A. SLATER, E. STEINMULLER (eds), Edward Edgar, 2003, pp.147-168;
- ◇ “Incitation, création de connaissance et accord de coopération inter-organisation”, avec M. MATT et S. WOLFF, in “*La coopération industrielle*”, B. BELLON and alii (Eds) Economica, 2000, pp.109-124.

- ◇ "Is there a pilot in the evolutionary firm ?" , with P. COHENDET and L. MARENKO in "New directions in economic strategy research" , N. FOSS, V. MAHNKE (eds), Oxford Uni. Press, 2000, pp. 95-115.
- ◇ "Public Technological Procurement: the case of DDS in France" and " Public Technological Procurement: the case of DDS in Italy" , with M. MATT and S. TRENTI in "Public Technological Procurement in Europe" , C. EDQUIST, L. HOMMEN (eds), Kluwer, 1999, pp.197-239.
- ◇ "Inter-organisation collaboration and policy implications: the need to combine market and organizational perspectives" , with Mireille MATT, in "The organization of scientific and technological research in Europe" , A.GAMBARDELLA, F.MALERBA (Eds), Cambridge University Press, 1999, pp.179-201;
- ◇ "Learning, technical change and public policy: how to create and exploit diversity" , with P. COHENDET, in "Systems of Innovation: technologies, Institutions and organizations" , C. EDQUIST (Ed), Cassell/Pinter, chapter 10, pp. 223-241, mars 1997;
- ◇ "Productique et gestion" , with Patrick COHENDET, in "Encyclopédie de gestion" , P. JOFFRE, Y. SIMON (Eds.), Economica, Paris, 2ème édition, 1997;
- ◇ "Décentralisation des apprentissages, théorie de la firme et évaluation: une analyse à partir d'une étude de cas" , in "Limitations de la rationalité et constitution du collectif" , J.P. DUPUY, B. REYNAUD (Ed), La Découverte, 1997.
- ◇ "Programmes d'appui aux entreprises et émergence d'un système industriel local" , with F. KERN, in "Les nouvelles logiques du développement" , L. ABDELMALKI, C. COURLET (Eds), L'Harmattan, Logiques Economiques, 1996;
- ◇ "Cohérence et pertinence: évaluation d'une réorganisation dans une PME" , with C. LERCH et M. SONNTAG, in "Cohérence, pertinence et évaluation" , ECOSIP, Economica, 1996.
- ◇ "Politiques technologiques locales de diffusion: recherche interne et mode de coordination" , with V. SCHAEFFER, in "Economie industrielle et économie spatiale" , A. RALLET, A. TORRE (Eds), Economica, 1995.
- ◇ "Intégration et méthode d'évaluation: l'expérimentation d'une nouvelle approche" , with C. LERCH, in "Coordination économique et apprentissage des firmes" , N. LAZARIC, J.M. MONNIER (Eds), Economica, 1995.
- ◇ "Inter-firm cooperative agreements in Telecommunications: elements of an analytical framework" , with S. WOLFF, , chap.13, in "Telecommunications bridge to the 21st century" , G. POGOREL (ed), North Holland 1994, pp.257-276.
- ◇ "The european community R&D policy and its impact on the french R&D policy" , with P. COHENDET in "EUROPE 12: France" , F.G. DREYFUS, A. MORIZET (eds), Pinter, 1993.
- ◇ "Réseaux d'innovation en Alsace: approche théorique et premiers résultats empiriques" , with A. BURETH, in "Mutations dans l'Europe contemporaine" , Cahiers de Recherche, Presses Universitaires de Strasbourg, Coll. MSHS n°10, 1993, pp.123-141.
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- ◇ "Flexibilités et mise en cohérence des données de production" , with Patrick COHENDET et Bernard MUTEL, in "Les nouvelles rationalisations de la production" , G. De TERSSAC, P. DUBOIS (eds), Edition CEPADUES, 1992.
- ◇ "Nature de l'information, coûts de transaction et organisation de l'entreprise" , with P. COHENDET, in "Apprendre, se souvenir, décider" , B. ANCORI (ed), Editions du CNRS, 1992.
- ◇ "Flexibilité et technologie" , with P. COHENDET, in "La technoscience: les fractures des discours" , J. PRADES (ed), Logiques Sociales, L'Harmattan, Paris,1992, pp.153-173.
- ◇ "Integration and learning processes" with P. COHENDET, in "Economics and Artificial Intelligence" , P. BOURGINE, B. WALLISER (eds), Pergamon Press, 1991.
- ◇ "Politiques technologiques: éléments d'analyse comparative" , in "L'évaluation économique de la recherche et du changement technique" , Jacques DE BANDT, Dominique FORAY (Eds), Editions du CNRS, 1991 .
- ◇ "Flexibilité et évaluation des processus de production" , with Patrick COHENDET, Chapitre 3 in ECOSIP, "Mesure économique et gestion industrielle" , Economica, 1990.
- ◇ "Propriétés et principes d'évaluation des processus de production dans un régime de variété permanente" , with Patrick COHENDET, Andréa KRASA in "L'après taylorisme : nouvelles formes de rationalisation dans l'entreprise en France et en Allemagne" , P. COHENDET, M. HOLLARD, T. MALSCH, P. VELTZ (Eds.), Economica, Paris, 1989, pp. 55-74.
- ◇ "Productique et gestion" , with Patrick COHENDET, in "Encyclopédie de gestion" , P. JOFFRE, Y. SIMON (Eds.), Economica, Paris, 1989, Volume 3, pp. 2342-2356.
- ◇ "Complexité, hiérarchie et management" , in Actes du congrès "Génie Industrielle: facteur de compétitivité" , CEFI, Nancy, décembre 1988.

- ◊ "Les problèmes posés au droit par la prise en compte des irréversibilités écologiques", Article collectif BETA/CDE, in "*Le droit et l'environnement*", Actes des Journées de l'Environnement, PIREN/CNRS, 30 novembre - 1er décembre 1988, Ed CNRS, 1990.
- ◊ "Vers une définition de nouveaux critères de performances: flexibilités, complexité, intégrations", with Patrick COHENDET, in "*Automatique 88*", AFCET, Grenoble, 10-12 octobre 1988.
- ◊ "New materials, strategies and production management", in "*Advancing with composites*", actes du congrès international sur les Matériaux Composites, Milan, 10-12 mai 1988, Vol.I, pp.407-416.
- ◊ "Télématique et production" (in japanese), in Actes du symposium franco-japonais, Université de Toyo, Tokyo, 1988.
- ◊ "Strasbourg, ses universités et la télématique", (in japanese), in idem, 1988.
- ◊ "Réduction de la complexité par intégrations", Chapitre II.5, in "*Les matériaux nouveaux: dynamique économique et stratégies européennes*", Patrick COHENDET, Marc-Jacques LEDOUX, Ehud ZUSCOVITCH (Eds.), Economica, Paris, 1987, pp. 125-147; in english: "Reducing of complexity through integration", Springer Verlag, Heidelberg, 1988, pp. 116-139.
- ◊ "Flexibilities, complexity and integrations in production processes", with Patrick COHENDET, in ERGAS H. (ed), "*Firm's environment interconnections in a changing productive system*", Franco Angeli, Milano, 1987, pp. 239-268.
- ◊ "Flexibilité et intégration: évolutions récentes des processus de production", Actes du 1er Congrès International "*Génie industriel: facteur de compétitivité*", AFCET-CEFI, Chatenay-Malabry, 11-13 juin 1986.

- Some papers presented at conferences:

- . "Changing landscape for knowledge transfer", at the TIP-RIHR Thematic Workshop on 'Knowledge transfer, exploitation and commercialisation', OECD DSTI, Paris, 5 October 2012
- . "Creative experiences from Strasbourg", at the Ecole d'été du Management de la Création, Barcelone 7-14 juillet 2012.
- . "The routinization of creativity: lessons from the case of a video-game Creative Powerhouse", with Patrick Cohendet, Laurent Simon, at the DRUID Conference 2012, June 19th-21th, Copenhagen
- . "Are Trade Marks and Patents Complementary or Substitute Protections for Innovation?", with Valentine Millot,
 - at the Workshop on Empirical Studies of Trade Mark Data, University of Oxford, December 7th - 8th, 2012
 - at the DRUID Conference 2012, June 19th-21th, Copenhagen
- . "Le transfert des connaissances dans les universités et organismes publics de recherche: quels enjeux ?", at the workshop "Quel avenir pour le transfert des connaissances dans les universités et organismes publics de recherche?", MESR, November 8th, 2011, Paris.
- . "Inventors' Small Worlds: Academic and CNRS Researchers in Networks of Inventors in France", with Francesco Lissoni, Bulat Sanditov, at the APE-INV 3rd "Name Game" workshop Brussels, 5-6 September 2011
- . "Creative employees and organizational learning", with Thierry Burger-Helmchen, at the DRUID Conference 2011, June 15th-17th, Copenhagen
- . "The benefits from tax-based research policy: the case of France", at the 13th Handelsblatt Annual Conference "Chemistry", Frankfurt, 9th - 10th May 2012.
- . "Networks of inventors and academics in France", with Francesco Lissoni, Bulat Sanditov, at the DIME final conference, Maastricht, 6-8 april, 2011
- . "Determinants of (in)-efficiency differential among French TTOs", with Claudia Curi, Cinzia Daraio, at the SEEK conference 'Going for Smart Growth with Knowledge and Innovations', ZEW, Mannheim, March 3-5th, 2011
- . "Historical Innovation research in a cliometric perspective : two national innovation systems in comparison", with Claude Diebolt, at the International Conference in honour of Hariolf Grupp, ZEW, Mannheim, March 3d, 2011
- . "Determinants of (in)-efficiency differential among French TTOs", with Claudia Curi, Cinzia Daraio,
 - at the DIME workshop@Alma Graduate School, "Universities on a third mission : external engagement and entrepreneurship by academic researchers", University of Bologna, 11th-12th February, 2010
 - at the 'Colloque de clôture', programme ANR 'Apprentissages, Connaissances et Société', Lyon, 17-18 march, 2010

- . “The public research organisations in the process of technology transfer: characteristics and role in comparison with universities”, at the workshop ‘Universities and the knowledge economy’, Cambridge, June 28th-30th, 2010
- . “L’évolution récente des financements de la recherche publique: le case du site de Strasbourg”, with Laurence Frank, at the MRES, Paris, 21 juin 2010
- . “Case for support: un élément fédérateur pour bien préparer une campagne”, avec Claire Dognin, 5^{ème} Conférence de Fundraising pour l’enseignement supérieur et la recherche, Paris, 10-11 février 2010
- . “Academic surveys: BETA experiences”, DIME Workshop in Academic external engagement, Imperial College London, Londres, November 19th, 2009.
- . “Institutional and cognitive-oriented entrepreneurship in nanotechnology innovative clusters”, with Emilie Pawlak, Patrick Cohendet, Laurent Simon, Iéna, October 15th-17th, 2009
- . “Indicators and policies for HEI’s TT activities: lessons from the french case”, with Laurent Bach, 2nd COMMUNIA Conference 2009 “Global Science and the Economics of Knowledge-Sharing”, Collegio Carlo Alberto, Torino, June 28th – July 1st, 2009
- . “Network, Irreversibility and Knowledge Creation”, with Muge Ozman, at the International Conference on the Formation and the Evolution of Social and Economic Networks, Paris, June 25th-27th, 2009
- . “La valorisation de la recherche universitaire en France: Etat des lieux”, at the Conference ‘L’innovation en Europe: expériences françaises et allemandes’, Bischenberg, 8-9 juin, 2009
- . “Creativity and value creation: From a division of labour to a division of knowledge perspective”, with T. Burger-Helmchen, at the EMAEE conference “Evolution, Behavior and Organizations”, May 21-23, 2009, Volksbad Jena
- . “Drivers for sustainability-related innovation in an evolutionary perspective: A Qualitative analysis of renewable resources, industrial products and travel services”, with M. Wagner at the EMAEE conference “Evolution, Behavior and Organizations”, May 21-23, 2009, Volksbad Jena
- . “Running the marathon”, with W. Cowan, R. Cowan, invited seminar Università di Bologna, May 5th, 2009
- . “Typologie des universités et activités de valorisation”, OST, April 17th, 2009, Paris
- . “Indicators for HEI’s Technology Transfer activities: the french case”, at “Evidence-based policy making for Science, Technology and Innovation: developing a measurement and evaluation system of innovation”, JST-CRDS, Tokyo, March 30-31st, 2009
- . “Variations about competition and universities”, at the DIME meeting on “Universities competing (or not) in the knowledge economy”, Imperial College, December 8th, 2008;
- . “Running the marathon”, with W. Cowan, R. Cowan, invited seminar SPRU, December 5th, 2008, Brighton
- . “Socio-technical transition processes: a real options based reasoning”, with A. Avadikyan at :
 - the conference, “Towards Post-carbon Societies”, Trondheim, Norway, September 4-5, 2008
 - DIME International Conference “Innovation, sustainability and policy”, GREThA, University Montesquieu Bordeaux, September 11-13, 2008
- . “Sustainability-related innovation in the context of open innovation: Qualitative analysis of firm cases in renewable resources, industrial products and travel services”, with M. Wagner at :
 - DIME International Conference “Innovation, sustainability and policy”, GREThA, University Montesquieu Bordeaux IV, France, 11-13 September 2008.
 - DIME-Seminar, ISI-Karlsruhe, Empirical analyses of environmental innovation", Fraunhofer Institute for Systems and Innovation Research ISI in Karlsruhe (<http://www.isi.fhg.de/n/departm.htm>), January 17-18, 2008.
- . “Leadership for Sustainability through Innovation and Integration”, with Marcus Wagner, Seminar at the Sustainability Research Institute, Leeds University, 14 January 2008.
- . “Academic entrepreneurship and patent licensing: new trends in France and lessons for/from the Chinese academic system”, with L. Bach, M. Matt, M.F. Tang at the Academy of Innovation and Entrepreneurship, Tsinghua University, 2008.
- . “Does the Chinese “Bayh-Dole Act” of 2002 have the same effect as the US act of the rising university patenting?”, with L. Bach, M. Matt, M.F. Tang at the Academy of Innovation and Entrepreneurship, Tsinghua University, 2008.
- . “Does the European paradox still hold?”, with Giovanni Dosi, Mauro Sylos Labini, presented at the International conference ‘Knowledge for growth: european strategies in a global economy’, French Presidency of the EU, Toulouse, 7-9th July, 2008
- . “Institutional change and academic patenting: french universities and the Innovation Act of 1999”, with A. Della Melva, F. Lissoni, presented at the International conference ‘Knowledge for growth: european strategies in a global economy’, French Presidency of the EU, Toulouse, 7-9th July, 2008
- . “Harvesting the benefits from involvement in scientific and inventive activities: towards conditions”, with Julie Callaert, Bart Van Looy, Koenraad Debackere, presented at the International conference

- 'Knowledge for growth: european strategies in a global economy', French Presidency of the EU, Toulouse, 7-9th July, 2008
- . "Measuring the technical efficiency of French TTOs: first insights" with Claudia Curi, Cinzia Daraio presented at the the Conference «Knowledge in space and time: economic and policy implications of the Knowledge-based economy », Strasbourg, 7-8-9th April, 2008.
 - . "From performance indicator to behaviour : lessons about incentive in research organisations", at "Die Währung der Forschung", Vienna, 1st april, 2008
 - . "Patent indicator of STI links : lessons from the recent policies in France", Conference on 'Patent statistics for Policy decision making', EPO-OECD-DIME conference, Venice, Oct. 2d-3d, 2007
 - . "Academic patenting in Europe : new evience from the KEINS Database", with F Lissoni, M MacKelvey, B. Sanditov, Academy of Management Annual Meeting, session on 'University-Indusry knowledge transfer', Philadelphy, August 3-8, 2007
 - . "University-Industry links and commercialisation of public research results : lessons from recent policies", invited speaker, at 'The economics of Technology policy', Monte Verita, June 17-22, 2007
 - . "Indicator of performance and behavioural feedbacks", at 'Best practices in Transfer of Science and Technology', Annual conference of the ASTP, Heidelberg, May 31st – June 1st, 2007.
 - . 'Knowledge –based entrepreneur: an analysis from the division of knowledge perspective", with P Cohendet, at International JA Schumpeter Society Conference: 'Innovation, Competition and Growth : Schumpeterian perspectives', Nice – Sophia Antipolis, 21-24 June 2006
 - . 'Assessing the performance of French University transfert offices : preliminary results" with L. BACH, N. CARAYOL, at International JA Schumpeter Society Conference: 'Innovation, Competition and Growth : Schumpeterian perspectives', Nice – Sophia Antipolis, 21-24 June 2006
 - . 'La programmation budgetaire du renouvellement des réseaux d'eau potable en utilisant un algorithme génétique simple", with A. NAFI, C. WEREY, 6ème conférence MOSIM'06 (Modélisation et Simulation), Rabat, Maroc, 3-5 avril, 2006
 - . 'Science, Technology, Industry links and the 'European Paradox': some notes on the dynamics of scientific and technological research in Europe', with G. DOSI and M. SYLOS-LABINI, at the Trilateral Symposium, Tokyo, November 2005;
 - . 'Between division of labor and division of knowledge', avec P. Cohendet, E-Gost Workshop, Jan 28-29, SPRU, Brighton
 - . 'Corporate Governance and Technological development: Babcock&Wilcox, c.1880-1910', avec K. Bruland, SHOT Annual conference, Oct 7-10, Amsterdam
 - . 'Patenting at the University of Strasbourg: an historical perspective', avec F. Olivier-Utard, 4th EPIP Conference, Paris Dauphine, 1-2d october, 2004
 - . 'Contractual funding and university patents: from analysis to a case study" avec J. Azagra Caro and N.Carayol, Summer DRUID Conference, Copenhagen, june 2003.
 - . 'Types of contractual funding and university patents: from analysis to a case study', avec J Azagra Caro, Conference ASEAT, Manchester, april 2003.
 - . 'Evolutions of the french innovation policy and the impact on universities' with M Matt, and V. Schaeffer, at the workshop "Le rôle des unversités dans une économis basée sur la science", March 8th, Strasbourg, 2002.
 - . 'Technological policies: learning from case studies', Workshop 'Evolutionary Economics: the empirical side', IENA, Max Plak Institute, 15th February 2000.
 - . "Technology policy and cooperation: a paradigmatic approach", avec Mireille Matt, European meeting on Applied Evolutionary Economics, Grenoble, 7-9 june 1999 and to the DRUID Summer Conference 'National Innovation Systems, Industrial Dynamics and Innovation Policy', Rebild, DK, June 9-12, 1999.
 - . 'Technology transfer and Uni-Industry links', with A. GEUNA, Uni of California, Berkeley, 17th august, 1998.
 - . 'Evolutionary Technology Policy: an analysis of innovation and policy in a 'routinized' technological regime", with V. OLTRA, communication to the Sixth International J.A. Schumpeter Conference, Stockholm, 2-5 juin 1996;
 - . 'The organisation of R&D: a franco-japanese comparison', NISTEP, Tokyo, 20 octobre 1994.

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- "La connaissance est-elle un enjeu économique?", entretien in 'Apprendre et transmettre', Autrement, Le Mook, 2011, pp. 100-103.
- "Dynamics of Institutions and Markets in Europe", annual reports, EU, from 2006 to 2011;

- . “Recommandations pour la mise en place d’un dispositif d’évaluation des Investissements d’avenir mis en oeuvre par l’Agence Nationale de la Recherche”, Dual Conseil, Paris, 28 mars 2011
- . “Gutachten zu Forschung, Innovation und Technologischer Leistungsfähigkeit”, Expertkommission Forschung und Innovation, Berlin, Annual reports, EFI, from 2009-2013 , <http://www.e-fi.de/94.html?&L=0>
- ‘Research and entrepreneurship: a new innovation strategy for Europe’, D Guellec, F. Sachwald, report to the Conference of the French Presidency of the European union, Toulouse, June 2008.
- ‘Innovation and innovation policy in China: university and industry links’, report for the OECD, June 2008.
- ‘Les activités de recherche contractuelle et de transfert de technologie dans les établissements français d’enseignement supérieur’, with L. Bach, report to the Ministère de l’Enseignement Supérieur et de la Recherche (MESR), Paris, January 2008 .
- ‘Valorisation de la recherche publique française: éléments d’analyse économique et de politique de la recherche’, contribution to the ‘Rapport sur la valorisation de la recherche’, IGF, IGAENR, Paris, January 2007

Other scientific activities:

- Main coordinator of a European Doctoral Training Programme in the Economics of Technological and Institutional Change (ETIC) from 1994 to 2005;
- Vice-President for research of the European Association "ESST" (“Science, Society and Technology”) from September 1996 to June 2002.

Languages:

French: Spoken, Read, Written
English: Spoken, Read, Written
Italian: Spoken, Read
German: Spoken, Read