



EUROPEAN CENTRE FOR ADVANCED RESEARCH
IN ECONOMICS AND STATISTICS

REPORT
2007

TABLE OF CONTENTS

FOREWORD	3
PEOPLE	4
WHO'S WHO AT ECARES	6
- Resident Fellows	6
- Non-Resident Fellows	13
- Post-Doctoral Researchers	15
- Doctoral Researchers	16
PUBLICATIONS AND WORKING PAPERS	21
ECARES DOCTORAL SCHOOL	30
DOCTORAL DISSERTATIONS	31
SELECTED ECARES ACTIVITIES	34
- Conferences and Workshops	34
- ECARES Research Seminars	36
- ECORE Seminars	39
- ECORE-KUL Seminars	39
- Joint NBB-CES, KUL-ECARES, ULB-UCL	39
VISITORS	40
RESEARCH CONTRACTS AND GRANTS	41
TELEPHONE AND EMAIL DIRECTORY	43

FOREWORD

Inaugurated in November 1991, ECARE started as a joint initiative of the Institut d'Etudes Européennes (IEE) at the Université Libre de Bruxelles (ULB), and of the Centre for Economic Policy Research (CEPR), a network of around 500 researchers in Europe.

In the Fall of 1997, ECARE then merged with SOCO faculty's Centre d'Economie Mathématique et d'Econométrie (CEME), which had been founded at ULB in the 1970's, with as purpose to foster international quantitative research in economics at ULB.

The collaboration with statisticians from ULB's Institut de Statistique et de Recherche Opérationnelle (ISRO) was officialized in 1999 by the transformation of ECARE into ECARES, the "European Centre for Advanced Research in Economics and Statistics", and in 2006, by the integration of the Institute for Research in Statistics. These institutional changes have thus gone in the same direction: strengthening the connection between research in economics, econometrics and statistics while keeping our commitment to excellence and internationalization

Over the years, ECARES researchers have developed expertise in a number of major fields of economics, in particular:

- The evaluation of European integration policies and its dynamics of "deepening" and "widening".
- The analysis of economies in transition, in Eastern Europe and in China.
- The structure and behavior of banking and financial markets.
- The theory and empirics of macroeconomics, including its political economy component.
- The behavior and organization of firms and markets.
- The theory and applications of econometrics.
- The statistical analysis of time series data

This research activity has given ECARES international visibility and reputation: the European Wall Street Journal in September 2004 was mentioning ECARES in a short list of seven European centres of excellence that were resisting the brain drain to the more attractive US universities. Its members are also particularly active in CEPR, as Research Director, Programme Directors, Research Fellows or Research Affiliates. Members of ECARES have moreover been serving on the Council and as President of the European Economic Association (EEA), the Council of the Econometric Society and as member of the European Research Council (ERC). They have organized major international events, such as a Nobel Symposium, two annual meetings of the EEA, and a World Congress of the Econometric Society.

In close connection with this research, ECARES has developed an important doctoral activity, with the creation of a Doctoral School that attracts many first-class European and non-European students. ECARES has also received a substantial number of EU-financed "Training and Mobility of Researchers" grants, and participates in several networks in the "Research Training Network" programme.

ECARES and CORE have decided to join forces in a common center of excellence, ECORE that integrates the research activities and doctoral programs of both institutions. ECORE ranks among the top five research institutions in Europe. ECORE has 60 permanent Faculty, some 20 post-doctoral students and 90 doctoral students in residence in Brussels and Louvain-la-Neuve.

This report presents the achievements of ECARES for the year 2007. They were made possible by our collaboration with CEPR and the support of ULB. Our goal for future years is to keep our commitment to excellence in research as well as our mission of high-quality graduate education.

Victor Ginsburgh & Davy Paindaveine.

PEOPLE (in 2007)

Directors

Victor Ginsburgh

Davy Paindaveine

Financial Director

Victor Ginsburgh

ECARES Fellows

Marco Becht

Estelle Cantillon

Micael Castanheira de Moura

Paola Conconi

Griselda Deelstra

Catherine Dehon

Christine De Mol

Bram De Rock

Mathias Dewatripont

Marjorie Gassner

Domenico Giannone

Victor Ginsburgh

Marc Hallin

Georg Kirchsteiger

Robert Kollmann

Patrick Legros

Guy Mélard

Abdul Noury

Davy Paindaveine

Lucrezia Reichlin

André Sapir

Bruno van Pottelsberghe

David Veredas

Philippe Weil

Maurizio Zanardi

Non-Resident Fellows

Philippe Aghion

Erik Berglöf

Patrick Bolton

Thomas Bruss

Andreas Christmann

Christophe Croux

Jean-Jacques Dreesbeke

Uwe Einmahl

Antonio Estache

Jacques Lawarrée

Christian Mélot

Janet Mitchell

Gaëtan Nicodème

Peter Praet

Ailsa Roëll

Gérard Roland

Catherine Vermandele

Etienne Wasmer

Michèle Wilmet

Visiting Fellows

Julio Davila

Jorge Duran

Pierre Picard

Vincenzo Verardi

Philip Verwimp

Post-Doctoral Fellows

Julia Nafziger

Carine Peeters

Riccardo Puglisi

Miroslav Siman

Abdelilah Yadine

Doctoral Researchers

Ugo Albertazzi

Elena Arias

Narcissa Balta

Marta Banbura

Nezar Bennala

Laurent Bouton

Aida Caldera

Paolo Casini

Carlos Castro

Cédric Ceulemans

Jacopo Cimadomo

Lorenzo Clementi

Cristina Conflitti

Laura Coroneo

Quentin David

David De Antonio Liedo

Gaëtan de Rassenfosse

Harald Fadinger

Nicolas Gothelf

Denis Herbaux

Simone Hirschvogl

Alexandre Janiak

Joachim Keller
Joëlle Liebermann
Roman Liska
Frédéric Malherbe
Michele Modugno
Francesca Monti
Fulvio Mulatero
Hassane Njimi
Laura Padilla
Ksenia Panidi
Gianluca Papa

Administrative Staff

Claude Adan
Nancy De Munck

Alexandre Petkovic
Rafal Raciborski
Paulo Santos Monteiro
Alexander Sebald
Biagio Speciale
Hiroyuki Taniai
Lydia Tsyganok
Darwin Ugarte
Thomas Verdebout
Alexis Walckiers
Stefan Zeugner

Romy Genin

WHO'S WHO AT ECARES

ECARES FELLOWS

Marco Becht

is a Professor of Finance and Economics at Université Libre de Bruxelles (ULB), a Resident Fellow at the European Center for Advanced Research in Economics and Statistics (ECARES) at ULB and the Executive Director of the European Corporate Governance Institute (ECGI). He teaches at the ULB and, in 2003, at the Saïd Business School (University of Oxford). He graduated from the London School of Economics and Political Science (LSE) and holds a Ph.D. in economics from the European University Institute (EUI). Previously he worked at the Centro de Estudios Monetarios y Financieros (CEMFI) in Madrid and at the European Commission's Directorate for Industry (DG III). He is a member of the European Academic Council of Standard & Poor's, the scientific adviser of the corporate governance committee of APCIMS (Association of Private Client Investment Managers and Stockbrokers) and a board member of the Belgian Foundation of Directors. He has given expert briefings on corporate governance to the Group of Economic Analysis of the President of the European Commission, the senior management of Alcatel, the clients of Hermes Pension Management Ltd., the Euro 50 Group, the Italian Securities Regulator (CONSOB), the OECD, the World Bank and the German Corporate Governance Roundtable, among other

Selected Work: "European Corporate Governance: Trading off Liquidity against Control", *European Economic Review*, 1999; "Blockholdings in Europe: An International Comparison", (with A. Roell), *European Economic Review*, 1999; "Corporate Law and Governance", (with P. Bolton & A. Roell), in the *Handbook of Law and Economics*, A.M. Polinsky & S. Pavell (eds), November 2007.

Estelle Cantillon

holds a PhD in Economics from Harvard University, a M.Phil. in Economics from Cambridge University and a B.Sc. in Management and Applied Sciences from the Université Libre de Bruxelles (Solvay Business School). Her research lies at the boundary between industrial organization and market design, and involves both theory and empirics. Her auction work has looked at asymmetric auctions, combinatorial auctions and multi-attribute auctions, with an emphasis on procurement applications. Her current projects look at the competition between marketplaces, the creation of markets and course allocation mechanisms. Prior to joining ECARES as a FNRS research affiliate in 2004, Estelle taught for three years at Harvard Business School and spent one year at Yale as a post-doc. At ECARES, she teaches industrial organization and market design in the Ph.D. program.

Selected work: Competition between Exchanges: Lessons from the Battle of the Bund (with Pai-ling Yin), January 2008; "Combination Bidding in Multi-unit Auctions", (with M. Pesendorfer), November 2006; "Procurement when Price and Quality Matter", (with J. Asker), November 2006; "The Effect of Bidders' Asymmetries on Expected Revenue in Auctions, forthcoming Games and Economic Behavior. Properties of Scoring Auctions", (with J. Asker), forthcoming *Rand Journal of Economics*, "Investment Incentives in Procurement Auctions", (with L. Arozamena), *Review of Economic Studies*, 71(1), January 2004, 1-18.

Micael Castanheira de Moura

holds a Ph.D. in Economics from ULB (1998). He spent two years (1997-1999) at IGIER (Bocconi University) as a TMR research fellow and is now Chercheur Qualifié auprès du FNRS. His main focuses of research are political economics (voting and party theory), transition, and information management in organizations.

Selected Work: "Reforms without Prejudices", Oxford University Press, joint with T. Boeri, R. Faini, V. Galasso; "Why Vote for Losers?", *Journal of the European Economic Association*, 2003; "Victory Margins and the Paradox of Voting", *European Journal of Political Economy*, 2003; "Public Finance and the Optimal Speed of Transition", *The Economics of Transition*, 2003; "The Optimal Speed of Transition: A General Equilibrium Analysis", (with G. Roland), *International Economic Review*, 2000; "Information and Strategic Political Polarization", (with J. Carrillo), *Economic Journal*, 2008, forthcoming.

Paola Conconi

Paola's main research interests are in the areas of International Trade, Regional Integration, Development Economics, Environmental Economics and Political Economy. She holds a B.A. in Political Science from the University of Bologna, an M.A. in International Relations from the School of Advanced International Studies of Johns Hopkins University, and a M.Sc. and a Ph.D. in Economics from the University of Warwick. She is an FNRS Research Associate, a Research Affiliate of the Centre for Economic Policy Research (CEPR) and a research fellow of the Centre for the Study of Globalisation and Regionalisation (CSGR) at the University of Warwick.

Selected work: "Green Lobbies and Transboundary Pollution in Large Open Economies", *Journal of International Economics*, Volume 59, Issue 2, March 2003, Pages 399-422; "Issue Linkage and Issue Tie-in in International Negotiations" (with C. Perroni), *Journal of International Economics*, Volume 57, Issue 2, August 2002, pp.423-447; "Is Partial Tax Harmonization Desirable?" (with C. Perroni & R. Riezman), *Journal of Public Economics*, forthcoming.

Griselda Deelstra

holds a degree in Actuarial Sciences (1992) and a D.Sc in Mathematics (1996) from the Vrije Universiteit Brussel. She teaches Stochastic Finance and Stochastic Calculus at the ULB. Between 1997 and 2001, she has been teaching at the Ecole Nationale en Statistique et de l'Administration Economique (ENSAE) in Paris and at the doctoral programs of the Universities Paris 7 and Paris 11. During that period, she was a member of the jury of the Institut des Actuaire Français (IAF).

Selected work: "Optimal Investment Strategies in a CIR Framework", G. Deelstra, M. Grasselli, P.-F. Koehl, 2000, *Journal of Applied Probability*, 37, 1-12; "Dual formulation of the utility maximisation problem under transaction costs", G. Deelstra, H. Pham and N. Touzi, 2001, *Annals of Applied Probability*, 11 (4), 1353-1383; "Optimal Investment strategies in the presence of a minimum guarantee", G. Deelstra, M. Grasselli, P.-F. Koehl, 2003, *Insurance, Mathematics and Economics*, 33 (1), 189-207; "Pricing of arithmetic basket options by conditioning", G. Deelstra, J. Liinev, M. Vanmaele, 2004, *Insurance, Mathematics and Economics*, 34 (1), 55-77; "Optimal Design of the Guarantee for Defined Contribution Funds", G. Deelstra, M. Grasselli, P.-F. Koehl, 2004, *Journal of Economic Dynamics and Control*, 28 (11), 2239-2260; "Bounds for the price of discrete arithmetic Asian options", M. Vanmaele, G. Deelstra, J. Liinev, J. Dhaene, M.J. Goovaerts, 2006, *Journal of Computational and Applied Mathematics*, Vol 185/1, 51-90; "Théorie du risque et réassurance", Deelstra G. & G. Plantin, *Economica* (2006).

Catherine Dehon

holds a Ph.D. in Statistics from ULB, 2001. Her research areas focus on robust regression, robust multivariate analysis and robust econometric methods. She has been assistant professor at ULB since Spring 2002.

Selected work: "Robust Estimation of the Conditional Median Function at Elliptical Models", (with Croux, C., Rousseeuw, P.J., & Van Aelst S), *Statistics and Probability Letters*, 2001, 51, 361-368; "Robust Linear Discriminant Analysis using S-estimators", (with C. Croux), *The Canadian Journal of Statistics*, 2001, 29, 473-492; "Estimators of the Multiple Correlation Coefficient: local robustness and confidence intervals", (with C. Croux), *Statistical Papers*, 2003, 44, 315-334; "Bounded Influence Regression using High Breakdown Scatter Matrices", (with C. Croux & S. Van Aelst), *Annals of the Institute of Statistical Mathematics*, 2003, 55, 265-285, "Redistributing Income under Fiscal Vertical Imbalance", (with C. Dehon & V. Verardi), *European Journal of Political Economy*, 2008, forthcoming.

Christine De Mol

holds a Ph.D. in Physics (1979) and a habilitation degree in Mathematical Physics (1992) from ULB. Since 1975, she has held several research positions with the Belgian National Fund for Scientific Research (FNRS) that she left in 1998 as a Honorary Research Director to become a full-time Professor at ULB. She has served on the Editorial Board of the journal "Inverse Problems" and has held several visiting positions (Universities of London, Rome, Montpellier, Paris-Sud). Her research interests include inverse and ill-posed problems, regularization methods, mathematical methods in signal and image processing, wavelet theory and time series analysis with applications to economic data.

Selected work: "Forecasting with a Large Number of Predictors: Is Bayesian Regression a Valid Alternative to principal Components?", (with D. Giannone & L. Reichlin), *Journal of Econometrics*, 2008, forthcoming; "An Iterative Thresholding Algorithm for Linear Inverse Problems with a Sparsity Constraint", (with I. Daubechies & M. Defrise), *Comm. Pure and Appl. Math*, 2004; "A Fourier-based

method for the restoration of chopped and noded images", (with M. Bertero, P. Boccacci, A. Custo & M. Robberto); *Astronomy and Astrophysics*; 2003; "Super-Resolution by Data Inversion", (with M. Bertero), *Progress in Optics*; 1996.

Mathias Dewatripont

holds a Ph.D. in Economics from Harvard University, 1986. His general research area is the theory of incentives and organizations. He is Professor of Economics at ULB where he teaches introductory economics, microeconomic theory and contract theory. He has been part-time Visiting Professor at MIT and Research Director of CEPR since 1998. Fellow of the Econometric Society, laureate of the 1998 Francqui Prize and of the 2003 Yrjö Jahnsson Prize for Economics, he was elected President of the EEA for the Year 2005. He has also been appointed member of the Scientific Council of the *European Research Council* in 2005. He was Managing Editor of the *Review of Economic Studies* (1990-94) and one of the three Programme co-chairs of the 2000 World Congress of the Econometric Society. He was outside Director of CGER-Bank (1992-99), co-Director of ECARES (1991-2002). He has been Vice-Dean of the Faculté des Sciences sociales, politiques et économiques (ULB) since 2006.

Selected work: "Advocates", (with J. Tirole), *Journal of Political Economy*, 1999; "The Economics of Career Concerns, Part I & Part II, (with I. Jewitt & J. Tirole), *Review of Economic Studies*, 1999; "Moral Hazard and Capital Structure Dynamics", (with P. Legros & S. Matthews), *Journal of the European Economic Association*, 2003; "Transferable Control", (with P. Aghion & P. Rey), *Journal of the European Economic Association*, 2004; *Contract Theory*, (with P. Bolton), MIT Press, 2005, 724 p.; "Modes of Communication", (with J. Tirole), *Journal of Political Economy*, 2005; "Academic Freedom, Private-Sector Focus and the Process of Innovation", (with P. Aghion & J. Stein), *Rand Journal of Economics*, 2008, 39, pp. 617-635.

Bram De Rock

holds a Ph.D. in Mathematics (KULeuven, 2006) and a Ph. D. in Economics (KULeuven, 2007). He teaches mathematics. His research focuses on nonparametric characterization of collective rationality and efficiency analysis.

Selected work: "The Collective Model of Household Consumption: A nonparametric characterization", (with L. Cherchye & F. Vermeulen), *Econometrica*, 2007, 75, 553-574; "Analyzing cost efficient behaviour under economies of scope: a nonparametric methodology", (with L. Cherchye & F. Vermeulen), *Operations Research*, forthcoming; "Opening the black box of intrahousehold decision making: theory and nonparametric empirical tests of general collective consumption models", (with L. Cherchye & F. Vermeulen), 2006, CES Discussion Paper 05.11; "Modeling collective rationality: a nonparametric test on experimental data", (with S. Bruyneel & L. Cherchye), CMU working paper WP2006-E91, 2006, (also appeared as CES Discussion paper 06.16); "The Anosov theorem for flat generalized Hantzsche-Wendt manifolds", (with K. Dekimpe & W. Malfait), *Journal of Geometry and Physics* 52, 2004, pp. 174-18.

Marjorie Gassner

holds a Ph.D. in Mathematics from the Université Libre de Bruxelles, 1989. She teaches Mathematics. She is a member of CRISP (Centre Recherche et d'Information Socio-Politiques) and CEVIPOL (Centre d'étude de la vie Politique - U.L.B.). Since September 2005, she is the President of the Economics Department.

Selected work: "Redistributing Income under Fiscal Vertical Imbalance", (with C. Dehon & V. Verardi), *European Journal of Political Economy*, 2008, forthcoming; "Human Development and Electoral Systems", *Journal of Human Development*, 2006 (with D. Ugarte & V. Verardi); *Délégations Parlementaires - Méthodes Mathématiques et Représentation (Bi)dimensionnelle*, Editions de l'Université de Bruxelles, 2000; « Biproportional Delegations: a Solution for Two-Dimensional Proportional Representation », *Journal of Theoretical Politics*, 1991.

Domenico Giannone

holds a Ph.D. from ULB, 2004. His primary fields of interests are Time Series Econometrics, Monetary Economics and Applied Macroeconomics. His research is on the development of econometric methods to study the dynamics of large panels of time series with applications to Macroeconomics, Monetary Economics, International Economics and Forecasting.

Selected work: "Explaining the great moderation: it is not the shocks", 2007, (joint with M. Lenza & L. Reichlin), *Journal of the European Economic Association*, forthcoming; "Nowcasting: The Real Time Informational Content of Macroeconomic Data Releases", 2007, (joint with L. Reichlin & D. Small), *Journal of Monetary Economics*, forthcoming; "Monetary Policy in Real Time", (with L. Reichlin & L. Sala), 2004, in *Macroeconomic Annuals*, M. Gertler & K. Rogoff (eds), NBER; "VARs, Factor Models and the Empirical Validation of Equilibrium Business Cycle Models", 2004, (with L. Reichlin & L. Sala), *Journal of Econometrics*, 2004.

Victor Ginsburgh

holds a Ph.D. from ULB, 1972. His research areas include applied general equilibrium modelling, industrial organization and, more recently, cultural economics. He is a Faculty member of CORE, at the Université Catholique de Louvain. He has been financial Director and co-Director to ECARES since Spring 2001.

Selected publications: *Handbook of Economics of Art and Culture*, (coeditor with D. Throsby), in preparation, Elsevier-North Holland, 2006; "Disenfranchisement in Linguistically Diverse Societies. The Case of the European Union", (with I. Ortuno-Ortin & S. Weber), *Journal of the European Economic Association*, 2005; "The Museum Pass Game and its Value", (with I. Zang), *Games and Economic Behavior*, 2003; "Expert Opinion and Compensation: Evidence from a Musical Competition", (with J. Van Ours), *American Economic Review*, 2003; "Awards, Success and Aesthetic Quality in the Arts", *Journal of Economic Perspectives*, 2003; "Absentee Bidders and the Declining Price Anomaly in Wine Auctions", *Journal of Political Economy*, 1998; *The Structure of Applied General Equilibrium Models*, (with M. Keyzer), MIT Press, paperback edition 2002.

Marc Hallin

holds a Doctorat en Sciences in Mathematics from the Université libre de Bruxelles (1976). He is on the editorial boards of the *Journal of the American Statistical Association*, the *Journal of Time Series Analysis*, *Sankhya*, *Statistical Inference for Stochastic Processes*, and the *Journal de la Société Française de Statistique*; he serves as a coordinating editor for the *Journal of Statistical Planning and Inference*. A Fellow of the Institute of Mathematical Statistics (I.M.S.), of the American Statistical Association (A.S.A.), and a Membre titulaire of the International Statistical Institute (I.S.I.), he is member of the Classe des Sciences de l'Académie Royale de Belgique.

Selected work: "Linear serial and nonserial sign-and-rank statistics: asymptotic representation and asymptotic normality", (with C. Vermandele and B. Werker), *Annals of Statistics*, 2006, 34, pp. 254-289; "The generalized dynamic factor model: determining the number of factors", (with R. Liska), *Journal of the American Statistical Association*, 2007, 102, pp.603-617; "Optimal tests for non-correlation between multivariate time series", (with A. Saidi), *Journal of the American Statistical Association*, 2007, 102, pp. 938-951; "Optimal rank-based tests for homogeneity of scatter", (with D. Paindaveine), *Annals of Statistics*, 2008, 36, pp. 1261-1298; "Optimal tests for the homogeneity of covariance, scale, and shape", (with D. Paindaveine), *Journal of Multivariate Analysis*, 2008, forthcoming; "Local linear spatial quantile regression", (with Z. Lu & K. Yu), *Bernoulli*, 2008, forthcoming.

Georg Kirchsteiger

holds a Ph.D. in Economics from the University of Vienna (1993). He worked at the University of Vienna, at the CentER in Tilburg, and at the University of Maastricht. He is Research Fellow of the Centre for Economic Policy Research (CEPR), and fellow of the CESifo Research Network. In 2000 he received the Hicks-Tinbergen Medal of the EEA (jointly with E. Fehr and A. Riedl).

Selected work: "Endogenizing Market Institutions: An Experimental Approach", (with M. Niederle & J. Potters), *European Economic Review* Vol. 49(7), October 2005, 1827-1853; "Learning to Like What You Have - Explaining the Endowment Effect", (with S. Huck & J. Oechssler), *Economic Journal*, Vol. 115, July 2005, 689-702; "A Theory of Sequential Reciprocity", (with M. Dufwenberg), *Games and Economic Behavior*, 2004; "Inefficient Equilibria in Lobbying", (with A. Prat), *Journal of Public Economics*, 2001; "Theoretically Robust But Empirically Invalid: An Experimental Investigation Into Tax Equivalence", (with R. Kerschbamer), *Economic Theory*, 2000; "Gift Exchange and Reciprocity in Competitive Experimental Markets", (with E. Fehr & A. Riedl), *European Economic Review*, 1998; "Reciprocity as a Contract Enforcement Device: Experimental Evidence", (E. Fehr & S. Gächter), *Econometrica*, 1997.

Robert Kollmann

holds a Ph.D. in Economics (1991) from the University of Chicago. He has been professor in the following universities: University of Montreal (1991-94), University of Grenoble II (1994-97), University

of Paris XII (1997- on leave) and University of Bonn (1999-2004). He has been appointed at ULB since October 2006. He is member of the Econometric Society and the American Economic Association. His research focusses on macroeconomics, international finance, computational economics.

Selected Work: "A Dynamic General Equilibrium Model of International Portfolio Holdings: Comment", *Econometrica*, 2006, vol.74, pp. 269-273; "Welfare Effects of a Monetary Union: the Role of Trade Openness", *Journal of the European Economic Association*, 2004, vol.2, pp. 289-301; "Monetary Policy Rules in the Open Economy: Effects on Welfare and Business Cycles", *Journal of Monetary Economics*, 2002, vol.49, pp. 989-1015.

Patrick Legros

He is Professor of Economics at the Université Libre de Bruxelles (Belgium) and do research at ECARES. He has a doctorate from France and a Ph.D. from the US (at Caltech). He was assistant professor at Cornell university from 1989 till 1996, where he taught microeconomics, industrial organization and antitrust. He has been in Belgium since 1996. He was Professor at the University of Liege from 1996 to 2000 and Professor of Economics at the Université Libre de Bruxelles since 2000. At ULB, he is the Economics Research Director at the Institut d' Etudes Européennes (IEE).

Selected work: "Competing for Ownership," with Andrew Newman, forthcoming *Journal of the European Economic Association*. "Beauty is a Beast, Frog is a Prince: Assortative Matching in a Nontransferable World," with Andrew Newman, *Econometrica*, 75(4), 1073-1102, 2007.; "Pricing of scientific journals and market power," with Mathias Dewatripont, Victor Ginsburgh, and Alexis Walckiers, *Journal of the European Economic Association*, 5 (2-3), 400-410, 2007. "The Timing of Education," with Thomas Gall and Andrew Newman, *Journal of the European Economic Association*, 2006, 4(2-3), 427-35; "Art and Internet: Blessing the Curse?" *The Economics of Art and Culture*, Handbook, Elsevier, 2006. Peer reviewed by *NAJ Economics*, 2005, 10:1; "Auditing and property Rights," with Elisabetta Iossa, *Rand Journal of Economics*, 2004, 35(2), 356-72; "Moral Hazard and Capital Structure Dynamics," with Mathias Dewatripont and Steven Matthews, *Journal of the European Economic Association*, June 2003, 1(4): 890-930; "Monotone Matching in Perfect and Imperfect Worlds," with Andrew Newman, *Review of Economic Studies* October, 2002, 69(4), 925-42; "Courts, Contracts and Interference," with Andrew Newman, *European Economic Review*, 2002, 46 (4-5): 734-44.

Guy Mélard

holds a Ph.D. in Statistics from ULB, 1975. His research fields include: a) statistical analysis of time series and signal processing: algorithms for identification, estimation and forecasting methods; b) models with time-dependent coefficients, non-linear models (threshold models, ARCH models), intervention models; c) development of an Expert System for Economic Forecasting: TSE (Time Series Expert); d) seasonal adjustment by signal extraction methods; e) development of a self-learning time series course; f) e-learning in general.

Selected work: *Méthodes de prévision à court terme*, Collection "Statistique et Mathématiques appliqués", Editions de l'Université de Bruxelles, Bruxelles et Editions Ellipses, Paris, 1990; "Automatic ARIMA Modeling Including Interventions, Using Time Series Expert Software", (with J.-M. Pasteels), *International Journal of Forecasting*, 2000; "An Algorithm for Computing the Asymptotic Fisher Information Matrix for Seasonal SISO Models", (with A. Klein), *Journal of Time Series Analysis*, 2004; "On the resultant property of the Fisher information matrix", *Linear Algebra and its Applications*, Volume 403, July 2005, 291-313 (co-author A. Klein and Peter Spreij); "Exact maximum likelihood estimation of structured or unit root multivariate time series models", *Computational Statistics and Data Analysis* 50, No. 11, 2006, 2958-2986 (co-author R. Roy and A. Saidi); "Asymptotic properties of quasi-maximum likelihood estimators for ARMA models with time-dependent coefficients", *Statistical Inference for Stochastic Processes* 9, 2006, No 3, 279 - 330 (co-author R. Azrak).

Abdul Noury

holds a Ph.D. from ULB, 2002. His research areas include political economy and applied econometrics. He teaches European political economy. In 2004-2005 he was a visiting scholar at the Institute of Governmental Studies of the University of California, Berkeley.

Selected work: "More Power to the European Parliament?", (with G. Roland), *Economic Policy*, 2002; "Ideology, Nationality and Euro-parliamentarians", *European Union Politics*, 2002; "Choosing Not to Choose: On the Link between Information and Abstention", (with T. Coupé), *Economics Letters* 2004; "Dimensions of Politics in the European Parliament", (with S. Hix and G. Roland), 2006, *American Journal of Political Science*; *Democratic Politics in the European Parliament*, (with S. Hix & G. Roland), Cambridge University Press, 2007.

Davy Paindaveine

holds a Ph.D. in Statistics from ULB, 2002. He is associate professor of Statistics at the Faculty of Economics, ULB. Since 2005, he is an elected member of the International Statistical Institute (ISI) and is a visiting professor at Université Pierre-et-Marie-Curie (Paris 6). In 2007, the American Statistical Association gave him the Gottfried E. Noether Young Scholar Award, for contributions to nonparametric statistics. The same year, he was bestowed the Adolphe Wetrems Prize by the Classe des Sciences of the Belgian Royal Academy. This prize, created in 1926, is granted every year to a Belgian scientist rewarding "the most useful discovery or invention in physics, mathematics or the natural sciences," made during the previous year

Selected work: "Selecting a Sequence of Last Successes in Independent Trials" (with F.T. Bruss), *Journal of Applied Probability*, 2000; "Optimal Tests for Multivariate Location Based on Interdirections and Pseudo-Mahalanobis Ranks" (with M. Hallin), *Annals of Statistics*, 2002; "Optimal Procedures Based on Interdirections and Pseudo-Mahalanobis Ranks for Testing Multivariate Elliptic White Noise Against ARMA Dependence" (with M. Hallin), *Bernoulli*, 2002; "Rank-based optimal tests of the adequacy of an elliptic VARMA model" (with M. Hallin), *Annals of Statistics*, 2004; "Affine-invariant aligned rank tests for the multivariate general linear model with VARMA errors" (with M. Hallin), *Journal of Multivariate Analysis*, 2005; "Semiparametrically efficient rank-based inference for shape. I. Optimal rank-based tests for sphericity", (with M. Hallin), *Annals of Statistics*, 2007, 2707-2756; "Semiparametrically efficient rank-based inference for shape II. Optimal R-estimation of shape", (with M. Hallin & H. Oja). *Annals of Statistics*, 2007, 2757-2789.

Lucrezia Reichlin

holds a Ph.D. in Economics from New York University, 1986. Her main fields of interest are macroeconomics and applied time series. She has led a team of researchers at the Bank of Italy who devised a real time coincident indicator for the Euro area business cycle which is published every month by the CEPR. She teaches econometrics and time series at ULB. Previously she has been visiting associate professor at the Columbia University Graduate School of Business, Deputy Director of the Research Department of the Observatoire Français des Conjonctures Économiques in Paris, research fellow at the European University Institute in Florence. She is CEPR Program co-director of International Macroeconomics, former member of the Council of the European Economic Association, chair of the scientific committee of the Euro Area Business Cycle Network, Chair of the CEPR Euro area business cycle dating committee. She has been consulting for the research department of the Federal Reserve Board of Governors, the Swiss National Central Bank, the European Central Bank and the Bank of Italy and teaching specialized advanced courses in several universities and central banks. She has been appointed as Director General Research at the European central Bank since September 2005.

Selected work: *Dynamic Factor Models for Large Panels of Time Series*, (with D. Giannone), Princeton University Press, forthcoming; "The Generalized Dynamic Factor Model: One sided estimation and forecasting", (with M. Forni, M. Hallin & M. Lippi), *Journal of the American Statistical Association*, 2005; "Factor models in large cross-section of time series", in M. Dewatripont, L. Hansen & S. Turnovsky (eds), *Advances in Economics and Econometrics: Theory and Applications*, 8th World Congress of the Econometric Society, Cambridge University Press, 2002.

André Sapir

holds a PhD in Economics from The Johns Hopkins University, 1977. He is professor at ULB, where he holds a chair in international economics and European integration. He is also a Senior Fellow of the Brussels European and Global Economic Laboratory (BRUEGEL) and a Research Fellow of the Centre for Economic Policy Research (CEPR). In addition, he is a member of European Commission President Jose Manuel Barroso's Economic Policy Analysis Group. He was an Economic Adviser to European Commission President Romano Prodi (2001-2004) and the Chairman of the High-Level Study Group appointed by him that produced the 2003 report "An Agenda for a Growing Europe", widely known as the "Sapir Report", published by Oxford University Press in March 2004. He is a founding Editorial Board Member of the World Trade Review, published by Cambridge University Press and the World Trade Organisation.

Selected work: European Strategies for Growth. In M. Artis and F. Nixson (eds.), *Economics of the European Union*, Third Edition, Oxford University Press, Oxford, 2007; "Last Exit to Lisbon. Bruegel Policy Brief 2006/02", Bruegel, Brussels (with Jean Pisani-Ferry); "Globalisation and the Reform of European Social Models", *Journal of Common Market Studies*, 2006; "Un Modello Obsoleto? Crescita e Specializzazione dell'Economia Italiana", In T. Boeri, R. Faini, A. Ichino, G. Pisauro and C. Scarpa (eds.), *Oltre il Declino*, Il Mulino, Bologna, 2005 (with Riccardo Faini); *An Agenda for a Growing Europe: The*

Sapir Report, Oxford University Press, Oxford, 2004 (co-authored with P. Aghion, G. Bertola, M. Hellwig, J. Pisani-Ferry, D. Rosati, J. Viñals, H. Wallace & M. Buti, M. Nava, P. M. Smith). Italian translation published by Il Mulino, Bologna, 2004; "Who's Afraid of Globalization? Domestic Adjustment in Europe and America", In R.B. Porter, P. Sauvé, A. Subramanian and A.B. Zampetti (eds.), *Efficiency, Equity, and Legitimacy: The Multilateral Trading System at the Millennium*, Harvard University and Brookings Institution Press, 2001; *Economic Policy in EMU*, Oxford University Press, Oxford, 1998 (co-authored & co-edited with M. Buti). Italian translation published by Il Mulino, Bologna, 1999; "The Political Economy of EC Regionalism", *European Economic Review*, 1998.

Bruno van Pottelsberghe

holds a Ph.D. in Economics, MSc in Econometrics and MSc in International Relations and has been Chief Economist of the European Patent Office (EPO, from Nov. 2005 until Dec. 2007). Before joining the EPO he was Vice-President of the Solvay Business School. He has been Associate Professor at the Solvay Business School (Brussels' University, ULB) since September 1999. As holder of the Solvay S.A. Chair of Innovation he teaches courses related to the economics and management of innovation and intellectual property. He has been visiting researcher at the Columbia Business School (NYC) and at the Research Institute of the METI (Tokyo), and visiting professor at the Institute of Innovation Research of Hitotsubashi University (Tokyo), the University of Stellenbosch Business School (Cape Town), the Open University of Ho Chi Minh City, and the National Economics University of Hanoi.

Selected work: "A brief history of space and time: the scope-year index as a patent value indicator based on families and renewals", jointly with N. van Zeebroeck, *Scientometrics*, 75(2), forthcoming, 2008; "The institutional sources of knowledge and the value of academic patents", jointly with E. Sapsalis, *Economics of Innovation and New Technology*, 16(2), 2007, pp. 139-157; "Innovation strategy and the patenting performances of large firms", jointly with C. Peeters, *Journal of Evolutionary Economics*, 16(1-2), 2006, pp. 109-135; "From R&D to productivity growth: do the institutional settings and the sources of funds of R&D matter?", jointly with D. Guellec, *Oxford Bulletin of Economics and Statistics*, 66(3), 2004, pp. 353-376; "What patent data reveals about universities – The case of Belgium", jointly with S. Saragossi, *Journal of Technology Transfer*, 28(1), 2003, pp. 47-51; "The impact of public R&D expenditure on business R&D", jointly with D. Guellec, *Economics of Innovation and New Technologies*, 12(3), 2003, pp. 225-244.

David Veredas

holds a B.A. in Economics and a B.A. in Statistics from University Carlos III de Madrid, a M.A. in Economics from Université catholique de Louvain and a PhD in Economics from CORE. Prior to joining ECARES in 2004, he was a post doctoral fellow at CIRANO, Montreal, and Marie Curie post-doctoral fellow at CentER, Tilburg. Currently, he is also CORE research fellow and makes part of the MICFINMA network on high frequency data. He is co-chairman of the ECARES Doctoral School and co-organizer of the ECARES Econometrics and Statistics seminars. His main research interest is twofold. Empirically he is interested in market microstructure.

Selected work: "The Stochastic Conditional Duration Model: A Latent Factor Model for the Analysis of Financial Durations" (with L. Bauwens), *Journal of Econometrics*, 2004; "A Comparison of Financial Duration Models via Density Forecast" (with L. Bauwens, P. Giot & J. Grammig), *International Journal of Forecasting*, 2004; "Using Intra Annual Information to Forecast the Annual State Deficits. The Case of France" (with L. Moulin, M. Salto & A. Silvestrini), CORE DP 2004/48; *High Frequency Financial Econometrics. Recent Developments*, (edited with L. Bauwens & W. Pohlmeier), 2007, Springer Verlag; "Using Intra Annual Information to Forecast the Annual State Deficits. The Case of France", *Empirical Economics*, forthcoming, 2008.

Philippe Weil

has been at ULB since 1992. Prior to that, he studied law and political science in Paris, got his Ph.D. in Economics from Harvard University in 1985, and was assistant (1985-89) and associate professor of economics (1989-92) at Harvard. He was director of the CEPR programme on International Macroeconomics (1994-98), and is now a member of its Executive Committee and of its Business Cycle Dating Committee. He is Research Associate of the NBER, and a member of the editorial board of the *Journal of Economic Growth* and of the *Journal of Money, Credit and Banking*. His most recent research with Michael Burda and Daniel Hamermesh examines differences in time use between the United States and Europe. He is completing an advanced undergraduate textbook *Macroeconomic Theory: A Primer*.

Selected work: "The Distribution of Total Work in the EU and USA", (with M. Burda & D. Hamermesh), in *Working Hours and Job Sharing in the EU and USA Are Europeans Lazy? Or Americans Crazy?*, T. Boeri, M.

Burda & F. Kramarz (eds), 2007; "Incomplete Markets, Labor Supply and Capital Accumulation", (with A. Marcat & F. Obiols), *Journal of Monetary Economics*, Vol. 54 No. 8, November 2007, pp. 2621-2635; "The Macroeconomics of Credit and Labor Markets Imperfections", (with E. Wasmer), *American Economic Review*, Vol. 94 No. 4 (Sept. 2004), 944–963; "Overlapping Generations: the First Jubilee", *Journal of Economic Perspectives*, 2008, forthcoming.

Maurizio Zanardi

holds a Ph.D. in Economics (2001) from Boston College (Boston, USA). Before joining ULB/ECARES in 2007, he held positions at the University of Glasgow (UK) and Tilburg University (Netherlands). He is also a member of the Managing Board of the European Trade Study Group (ETSG) and he is affiliated with CentER at Tilburg University. His main research interests are in the areas of international trade and political economy.

Selected work: "What Explains the Proliferation of Antidumping Laws?", with Hylke Vandenbussche, *Economic Policy*, 23(53), 2008, 93-138; "Antidumping: a Problem in International Trade", *European Journal of Political Economy* 22(3), 2006, 591-617; "Development Policy Lending, Conditionality and Ownership: A Dynamic Agency Model Perspective", with Alberto Paloni, *Review of Development Economics* 10(2), 2006, 253-266., *The IMF, World Bank and Policy Reform*, with Alberto Paloni (editors). London, U.K.: Routledge, 2006; "Can Conditionality Improve Borrower Ownership?", with Alberto Paloni in A. Paloni and M. Zanardi (editors), *The IMF, World Bank and Policy Reform*. London, U.K.: Routledge, 2006; "Anti-Dumping versus Anti-Trust: Trade and Competition Policy", with Ian Wootton in J. Hartigan and K. Choi (editors), *Handbook of International Trade: Economic and Legal Analysis of Laws and Institutions*. Oxford, U.K. and Cambridge, MA: Blackwell Publishers, 2005; "Antidumping: What are the Numbers to Discuss at Doha?", *The World Economy* 27(3), 2004, 403-433; "Antidumping Law as a Collusive Device", *Canadian Journal of Economics* 37(1), 2004, 95-122

NON RESIDENT FELLOWS

Philippe Aghion

holds a Ph.D. in Economics from Harvard University, 1987. He has contributed to contract theory, the theory of organizations, the theory of endogenous growth and the economics of transition. He has been assistant professor at MIT, researcher at CNRS in Paris, Deputy Chief Economist at the EBRD, official fellow at Nuffield College, professor at University College London and is currently professor at Harvard University. He is a fellow of the Econometric Society, laureate of the Yrjö Jahnsson Prize for Economics and Programme Director of CEPR for Industrial Organization and was a member of the Council of the European Economic Association.

Erik Berglöf

holds a Ph.D. from the Stockholm School of Economics, 1991. His research focuses on financial contracting and corporate governance. He is a research fellow and programme Director of CEPR ('Institutions and Economic Performance' program) and is currently director of the Stockholm Institute of Transition Economics at the Stockholm School of Economics.

Patrick Bolton

holds a Ph.D. in Economics from the London School of Economics, 1986. He was professor at Princeton University 1998-2005 and is currently at Columbia University. His contributions are in the area of corporate finance, the theory of the firm, antitrust theory, the theory of rational learning by experimentation, political economy, the economics of transition and development economics. He was Managing Editor of the *Review of Economic Studies* and a member of the Council of the European Economic Association. He is a fellow of the Econometric Society and CEPR and Editor of the *Journal of the European Economic Association*.

Thomas Bruss

holds a PhD in Sciences. He is professor at Université Libre de Bruxelles. His research focuses on Probability models for strategies and applications, Optimal search and selection, Probability algorithms, Branching processes, and Limit theorems.

Andreas Christmann

holds a PhD in Statistics from the University of Dortmund (1992). He is professor at Vrije Universiteit Brussel. His research focuses on Mathematical statistics and applications, Statistical machine learning, empirical risk

minimization, SVMs, Actuarial statistics and finance, Robust statistics, Computational Statistics, and Data Mining.

Christophe Croux

holds a Ph.D. in Statistics from Antwerp University, 1993. His research interests are in the robustification of econometric methods, statistical properties of classification techniques and the development of exploratory data analysis tools for multiple time series. He is associate editor of the *Journal of Computational Statistics and Data Analysis*. He was professor at ULB and a fellow of ECARES. He has been professor at Katholieke Universiteit Leuven since 2002.

Uwe Einmahl

holds a Ph.D. in mathematics from the University of Cologne, Germany 1985. From 1989-1996 he was Associate Professor of Mathematics at Indiana University, Bloomington, USA and since then he has been working as Professor of Mathematics at the Faculty of Sciences at the VUB. In 2000, he became fellow of the Institute of Mathematical Statistics (IMS). He is associate editor of the *Journal of Theoretical Probability*

Antonio Estache

holds a Ph.D. in Economics from ULB, 1995. His research area covers various specialized aspects of public economics (decentralization, tax design, instrument assignments) and of the theory of regulation applied to network industries. He works at the World Bank where he is Lead Economist responsible for the design and implementation of training and research programs on economic regulation delivered in developing countries, and Lead Advisor for Latin America responsible for policy aspects of the reform of infrastructure services. He will join ECARES in 2008.

Jacques Lawarrée

holds a Ph.D. in Economics from the University of Berkeley, 1990. His research area is the theory of incentives and organizations. He is an associate professor of economics at the University of Washington in Seattle where he teaches microeconomic theory, game theory, contract theory, industrial organization and the economics of regulation. He was local organizer of the World Congress of the Econometric Society (Seattle 2000). He also worked at Microsoft.

Christian Mélot

holds a doctorate in Medicine from ULB (1978), a postgraduate specialization in internal medicine ULB, (1983). He also obtained a Master of Science in Biostatistics from the Limburgs Universitair Centrum (1994), and an Executive Master in Management of HealthCare Institutions from the Solvay Business School (ULB, 1997). He has worked as associate professor in Intensive care medicine in the department of intensive care in the Erasme University Hospital (ULB) since 1984. In addition, he is professor of biostatistics and epistemology in the Medical School and the Institute of Pharmacy of ULB. In biostatistics, his main fields of interests are the multivariable modeling of clinical outcomes in medicine and the clinical trials designing and analysis.

Janet Mitchell

holds a Ph.D. from Northwestern University, 1986. She has made research contributions in the areas of banking markets and regulation, securities settlement, bankruptcy, and financial reform in economies in transition. Her current fields of research include bank-firm relationships, credit risk transfer markets, and financial conglomerates. She is a fellow of CEPR. She currently heads a research group in the Department of International Cooperation and Financial Stability at the National Bank of Belgium

Gaëtan Nicodème

holds a PhD in Economics and Management Sciences from the Solvay Business School. His research focuses on corporate taxation, taxation of savings, and tax competition, with an emphasis on the European Union and has been published in top academic journals. He is a Research Affiliate of the Centre Emile Bernheim (CEB) at the Solvay Business School and a non-resident fellow at the European Center for Advanced Research in Economics Statistics (ECARES) at the ULB. He has studied at Solvay Business School, the European Institute at ULB, and the London School of Economics. He is currently working at European Commission's General Directorate for Economic and Financial Affairs where he works on taxation and quality of public finance.

Peter Praet

holds a PhD in Economics (1980) from ULB. He is currently Director of the National Bank of Belgium, Member of the Management Board of the Banking, Finance and Insurance Commission (BFIC). He is in charge of the following Departments: "International Cooperation and Financial Stability" (NBB) and "Banking/Insurance Prudential Policy"(BFIC). He is Alternate Director of the Bank for International Settlements (BIS) - Alternate member of the Committee of Governors of the G 10 - Alternate member of the International Monetary and Financial Committee. He Was Chief Economist at the Générale de Banque and later at Fortis Banque(1987-1999), Chief of Staff to the Minister of Finance (1999-2000).

Ailsa Roëll

holds a Ph.D. in Political Economy from Johns Hopkins University (1983) and a Ph.D. in Applied Economics from ULB (1994). She has made contributions in the theory of choice under uncertainty and the theory of optimal income taxation. She was lecturer in economics at the London School of Economics, visiting assistant professor of finance at the University of California at Berkeley and professor at ULB and Tilburg University. She is a fellow of the CEPR, and was a member of the editorial boards of the *Review of Economic Studies* and *Economica*. She was at Princeton University 1998-2005 and is currently at Columbia University.

Gérard Roland

holds a Ph.D. in Economics from ULB, 1988. His research includes transition and political economics. His contributions have covered mainly political economy aspects of transition but also financial reform, privatization, restructuring and macroeconomic aspects of transition. He was the coorganizer, with Olivier Blanchard, of a Nobel symposium on the economics of transition in September 1999. He is Program Director of CEPR for the program 'Institutions and Economic Performance'. His research in political economics spans from the break-up of nations and federalism to the separation of powers in democracies and comparative analysis of parliamentary and presidential systems. He is currently part-time professor at ULB and has been professor at the University of Berkeley since 2002.

Catherine Vermandele

Is a researcher and professor at the Université Libre de Bruxelles. Her research focuses in the field of statistics.

Etienne Wasmer

holds a Ph.D. from LSE (1997) and has graduated from Ecole Polytechnique (1993). He has worked on labor economics, search theory, macroeconomics and the economics of discrimination. He was professor at ECARES from 1998 to 2003 He was professor at the Université du Québec à Montréal (Uquam), and is currently at Sciences Politiques (Paris).

Michèle Wilmet

holds a Master of Sciences (Physics) and a Ph.D. in Public Health. She is professor of biostatistics and head of the department of biostatistics at the School of Public health, ULB. She is coordinator of the Master in Public Health, Orientation "Epidemiology and Biostatistics", of the "Master complémentaire" in Public Health, orientation "Health and Development" and of the "Certificat d'Université" in Epidemiology and Biostatistics).

POST-DOCTORAL RESEARCHERS

Julia Nafziger

holds a Diploma in Economics from the University of Munich (2004) and a PhD from the University of Bonn (2007). Her main research interests are applied microeconomics (mainly organizational economics and personnel economics), behavioral and experimental economics. At ECARES, she holds the first Solvay Business School - ECARES post-doctoral fellowship.

Carine Peeters

holds an MA in Economics from ULB (2000), a DEA in Management Sciences from ULB (2002) and a Ph.D. in Management Sciences from ULB (2004). She has been Teaching Assistant in ULB (2001-2004) and Teaching Assistant (2004), BAEF Visiting Research Scholar (2004-2005) and Research Associate at Duke University (2005-2006). She has been hired in September 2006 as a post-doctoral Fellow for a 2-year period (financed by the IAP programme). Her research is in the field of Economics

and Management of Innovation, Strategic Management, International Business Dynamics. She is also a member of the Centre Emile Bernheim (Solvay Business School).

Riccardo Puglisi

was formerly a visiting lecturer in quantitative methods at the Political Science Department of MIT. An alumnus of Ghislieri College, he holds a doctorate in Public Finance from the University of Pavia and a Phd in Economics from the LSE. His main research interests are the political behaviour of mass media, the informational role of private campaign finance and the welfare analysis of the privatisation and regulation of public utilities. He works as an editorialist for *Il Sole 24 Ore*, the leading Italian financial newspaper.

Miroslav Siman

holds an MA in Probability, Mathematical Statistics and Econometrics (2002) from Charles University (Prague), and a Ph.D. in Econometrics and Operational Research (2006) from Charles University. He has been hired at ECARES for a 2-year-post-doctoral fellowship. His research is in the field of time series and rank tests.

Abdelilah Yadine

holds an MA in Applied Mathematics (1996) from the Université Moulay Ismail, Marocco and a DES in Statistics (1999) from ULB. He got his Ph.D. "Robustness and Efficiency of Multivariate Scatter Estimators" in 2006, under the supervision of Christophe Croux and Catherine Dehon.

DOCTORAL RESEARCHERS

Ugo Albertazzi

holds a D.E.A. in Economics and Statistics from the Université Libre de Bruxelles (June 1999) and an M.A. in Economics from H.E.C. Lausanne (June 1998). Since 2001, he is Researcher at the Bank of Italy (Credit Intermediaries Unit) and from sept 1999 till June 2001 he has been teaching assistant (Ph.D. Courses in Microeconomics) at the Université Libre de Bruxelles. Fields of Interest: Theoretical and Empirical Contract Theory, with a specific focus on Banking. His supervisor is Mathias Dewatripont.

Elena Arias

holds an MA in Economics from ULB. Her research interests are mainly: economics of education and microeconometrics; supervisor: Catherine Dehon.

Narcissa Balta

holds an MSc in Economics from University Pompeu Fabra (2004) and an MA in Economics and Statistics from Université Libre de Bruxelles (2006). Her research interests are macroeconomics, monetary economics, international finance and macroeconometrics; supervisor: Philippe Weil.

Marta Banbura

holds MSc in Mathematics from Wroclaw University of Technology (Poland) and MSc in Economics and Statistics from ULB. Among her research interests are factor models, Bayesian econometrics and wavelets; supervisor: Christine De Mol & Lucrezia Reichlin.

Nezar Bennala

holds an MA in Mathematics (Université Cadi Ayyad 1998) et D.E.S en Statistique (ULB 2002). Research: Rank Based Inference in Panel Data Models; supervisors: Davy Paindaveine & Marc Hallin.

Laurent Bouton

holds a BA (2004) and Master Degree in Economics from ULB (2006). His research interests are mainly Public and Political Economics. His research focuses on the analysis of incentives in political institutions when large group are involved. He is currently engaged in several projects examining the properties of various electoral systems such as the Plurality rule, Two-round elections and Approval Voting. He is also interested in the effect of government organization on government behavior. In particular, he analyzes how the federal structure of governments influences the composition of expenses; supervisors: Paola Conconi & Micael Castanheira.

Aida Caldera

holds a B.Sc. in Economics, Quantitative Economics (2002) from the Universidad Complutense de Madrid. She completed the Advanced Studies Program in International Economic Policy Research at the Kiel Institute for World Economics (2004) and worked at the Policy Support Department of the European Investment Bank during 2005. For further details please refer to her CV (below the photo). Aida's research interests are in the areas of international economics and applied econometrics; supervisor: André Sapir.

Paolo Casini

holds a degree in Economics from the Università "G.d'Annunzio", Pescara, and an MA in Economics and Statistics from ULB. His research interest are: Microfinance, Microeconomics and Industrial Organization.; supervisor: Georg Kirchsteiger.

Carlos Castro

has a B.A. in Economics from the Universidad de los Andes, Colombia (2000); he is currently finishing the Master in Economics and Statistics at the ULB and starting the first year of the Doctoral School. His research interests are applied econometrics and risk modelling; supervisor: David Veredas.

Cédric Ceulemans

holds a BA in Economics from Université Catholique de Louvain (U.C.L.,2003) and an MA in Economics from U.L.B.(2005). He is currently student in the Doctoral school in Economics and statistics at ECARES. His research focuses on Economics of Art and Culture; supervisors: Victor Ginsburgh & Patrick Legros.

Jacopo Cimadomo

Currently completing his PhD thesis on the transmission of monetary and fiscal policies in the European Union and the United States, he is an economist at the CEPII (Paris). During 2004 he worked at the Italian Department of the Treasury, International Financial Relations Division. Between 2001 and 2003, he worked as a researcher for the Euro Area Business Cycle Network (EABCN). He is still member of that Network. During 2003 he joined the «Ente Luigi Einaudi», a monetary and banking research institute linked to the Bank of Italy, as a research fellow; supervisors: Domenico Giannone & Lucrezia Reichlin.

Lorenzo Clementi

holds a degree in Statistics and Economics from the University "La Sapienza" of Rome, (2004). He obtained a Master in Economics, Finance and Management from the University Pompeu Fabra of Barcelona (2005). In the academic year 2006-2007 he enrolled the Doctoral School in Economics of the University "La Sapienza" and, as a visiting student, he succeeded in all the exams of the Master in Statistics and Economics, accessing to the Ph.D. at ECARES. His research interests are microeconomics, theory of industrial organization, competition policy; supervisors: Estelle Cantillon & Patrick Legros.

Cristina Conflitti

has a degree in Statistics and Economics (University La Sapienza) and a Master's degree in Statistics and Economics (ECARES). She is a Junior Statistician/Economist with working experience at the Italian ministry of Economy, Finance and at the European Central Bank. Recently, she worked as econometrician consultant at the DG ECFIN (European Commission). Her research interests are Econometrics, Discrete choice model and Statistics; supervisor: David Veredas.

Laura Coroneo

Is a second year Ph.D. student in Economics. She holds a degree in Economics from the University of Bologna (2003) and a Master in Economics and Statistics from ULB (2005). Her research focuses on Quantile Regressions and Asset Pricing; supervisors: Cathrine Dehon & David Veredas.

Quentin David

holds an MA in economics from ULB (2001) and a Master degree from the ULB (2003). He is a teaching assistant at the Université Libre de Bruxelles and is involved in the doctoral program at ECARES. He is also member of the "Centre de l'économie de l'éducation" directed by Professor

Françoise Thys-Clement at the ULB. He is working on a thesis on dissertation The Labor Market, Human and Social Capital in Developing Countries; supervisor: Etienne Wasmer.

David De Antonio Liedo

holds a B.A. in Economics from the Universidad de Salamanca (Spain), and a Master in Economics and Statistics from the Université Libre de Bruxelles, ECARES (2003). He has been working on Forecast Evaluation at the Kiel Institute of World Economics, at the European Central Bank and at the National Bank of Belgium. Currently he is working on his thesis "Structural Models, Evaluation and Forecasting with Bayesian Priors". His research interests are: Bayesian Econometrics, Forecasting in Real Time, Dynamic Factors Models; supervisor: Domenico Giannone.

Gaëtan de Rassenfosse

holds a BA in Management Sciences (2003), an MSc in Management (2006) as well as a Diploma in Advanced Studies in Management Science (2007) from Solvay Business School. His main research interest is economics and management of innovation. He was a visiting scholar at the European Patent Office in Munich, Germany (2006-2007); supervisor: Bruno van Pottelsberghe.

Harald Fadinger

is currently PhD candidate in Economics at Universitat Pompeu Fabra, Barcelona, Spain and a Marie Curie Early Stage Researcher at ECARES within the project Transnationality of Migrants. He holds undergraduate degrees in Economics and in Law (University of Vienna, Austria, 2002) and a Masters Degree in Economics (Universitat Pompeu Fabra, 2003). His main research interests are International Economics, International Trade, Growth and Development Economics.

Nicolas Gothelf

holds a BS in Economics from the ULB (2002) and a MA in Quantitative Economics from the ULB (2004). Main research interests are: Auction theory, Microeconomics and Electronic Trading Platforms; supervisor: Estelle Cantillon.

Denis Herbaux

holds a BA in Economics from the ULB (2003) and a MSc in Quantitative Economics from the ULB (2006). His main research interests are: microeconomics, social capital, behavioural economics and political economy; supervisors: Mathias Dewatripont.

Simone Hirschvogel

holds an MA in Business science (2006) from the University of Vienna. She has been hired at ECARES a 24-month doctoral student in the framework a RTN contract. Her research focusses on finance and corporate governance.

Alexandre Janiak

holds a BA in Econometrics from the Université des Sciences et Technologies de Lille (2002), and an Msc in Economics and Statistics from the Université Libre de Bruxelles (2003). He is currently enrolled in the PhD program at Ecares and his research interests are mainly the macroeconomics of labor market and international trade, with some emphasis on empirical issues; supervisor: Etienne Wasmer.

Joachim Keller

holds an M.A. (D.E.A) in Economics and Statistics from ULB (2003) and an M.A. in Economics (Diplom in Volkswirtschaftslehre) from Mannheim University (2002), is a Ph.D. student at ECARES and an Economist in the Department of International Cooperation and Financial Stability of the National Bank of Belgium. Before taking up the position at the National Bank of Belgium, Joachim worked for two years as a part-time Associate with the European Competition Policy Practice of LECG. His research interests cover industrial organization, corporate finance, banking/financial markets supervision and competition policy; supervisor: Patrick Legros.

Joëlle Liebermann

holds an Msc in Economics and Finance from the University of Warwick (1999) and a Msc in Economics and Statistics from the Université Libre de Bruxelles (2003). Her research interests are macroeconometrics and monetary policy with special emphasis on financial markets expectations of monetary policy, macroeconomic variables and real-time data; supervisor: Domenico Giannone.

Roman Liska

holds a Master degree in Math and Management from Charles University, Prague (1997) and a Master degree in Economics and Statistics from ECARES-ULB, Bruxelles (2000). He has started his PhD studies in the Doctoral Program in Economics and Statistics at ECARES in September 2000. He is a research administrator at DG JRC, European Commission in Ispra, Italy since March 2002. His research interests are macroeconomics panel data analysis, business cycle analysis, short term indicators of the state of the economy, sensitivity analysis; supervisor: Marc Hallin.

Frédéric Malherbe

is a third year PhD student at ECARES. He holds a BA in Business (Ingénieur commercial) from UCL, (1998), a Master in Management from UCL (2001) and a Master in Economics from ULB (2005). His research interests are mainly Macroeconomics and Finance; supervisor: Philippe Weil.

Michele Modugno

is a PhD student at ECARES, ULB, under the supervision of Lucrezia Reichlin and Domenico Giannone. He holds a degree in Economics from Bocconi University (2002) and a Msc in Economics and Statistics from the Université Libre de Bruxelles (2004). He has been consultant at the European Central Bank in the Research Division in January 2006. His research interests are Macroeconomics and Applied Econometrics; supervisors: Domenico Giannone & Lucrezia Reichlin.

Francesca Monti

holds a degree in Engineering from the Politecnico of Milan (2002) and obtained a MA degree with magna cum laude honors in Economics and Statistics from ULB (2005). She has also been an intern at the European Central Bank in the Monetary Policy Strategy Division for a year (2003-2004). Her research interests are econometrics, macroeconomics and monetary economics.;supervisors: Philippe Weil & Domenico Giannone.

Fulvio Mulatero

is currently a researcher at the Swiss Pedagogical Institute for Vocational Education. He is completing a thesis on the impact of globalisation and technological change on labor market outcomes. He graduated from Bocconi University in 1999. He also holds a Master in Economics from Coripe Piemonte (2000) and a Master in Economics and Statistics from ULB (2002). His previous work experiences include a year as research assistant at the think tank Bruegel and several years as teaching assistant at ULB; supervisor: André Sapir.

Hassane Njimi

holds an MA in Sciences, Faculté des Sciences de Marrakech (95), a MA in Statistics, Université Libre de Bruxelles (99), and a Master in Statistics, ULB (2000). He's working on a thesis under the supervision of Guy Mélard.

Laura Padilla

holds a Master in Mathematical Economics & Econometrics (2003) from University of Toulouse 1, and a European Degree in "Economie Quantitative Approfondie" (2004) from the University of Toulouse 1. She is currently working on a thesis in Mathematical & Quantitative Economics under the supervision of Guido Friebel. She has been hired as a one-year doctoral fellow in the framework of a RTN contract.

Ksenia Panidi

holds a Bachelor of Science degree in Economics (with distinction, 2005) from the Economics Department of Lomonosov Moscow State University and a Master of Arts degree in Economics (2006) from New Economic School, Moscow. Her research are Behavioral Economics and Experimental Economics; supervisor: Georg Kirchsteiger.

Gianluca Papa

holds a degree in Economics from Università degli Studi di Bologna (1998), a Msc in Economics from Bocconi University (1999) and a Msc in Economics and Statistics from the Université Libre de Bruxelles (2001). Currently, he works as an economist at CERM Foundation in Rome and he is involved, as a researcher for Confindustria, in a (Firb) research project sponsored by the Italian Ministry of Education, University and Research on "Evaluating the impact of public R&D funding to the business sector"; supervisors: Mathias Dewatripont and Michele Cincera (DULBEA, ULB).

Alexandre Petkovic

holds a BA in Economics from the ULB (2005), and is currently achieving a MA in Economics and Statistics at the ULB. His research interest is on Temporal Aggregation of Econometric Models, supervisors; Davy Paindaveine & David Veredas.

Rafal Raciborski

holds an MA in Management and Marketing from Wroclaw University of Technology (2001) and a MA in Economics and Statistics from ULB (2003). He has done research in the National Bank of Belgium and the National Bank of Estonia. His research interests concern macroeconomics and finance. In particular, he works on financial puzzles, inflation persistence and real and nominal rigidities; supervisor: Philippe Weil.

Paulo Santos Monteiro

is a Ph.D. candidate at ECARES since 2003. My fields are Macroeconomics and Applied Econometrics. He is currently doing research on Income Inequality, Precautionary Behaviour and Macroeconomic Dynamics; supervisor: Philippe Weil.

Alexander Sebald

holds a Doctorandus degree from the University of Maastricht (2002). Research: the integration of a broader model of human behaviour into economic theory; supervisor: Georg Kirchsteiger.

Biagio Speciale

is Laurea in Economics from Università degli Studi di Catania (2001) and holds an MA in Economics and Statistics from ULB (2003). Research: economics of education; supervisor: Mathias Dewatripont.

Hiroyuki Taniai

holds a BA in Economics (2002) and a Master in Engineering (2004), both from Osaka University. Research: asymptotics of quantile and rank statistics applied to financial time series; supervisor: Marc Hallin.

Lidia Tsyganok

holds a BA in Economics from ULB (2001). Research: the components of political systems and their applications to EU institutions; supervisor: Mathias Dewatripont.

Darwin Ugarte

holds a BSc in Economics from the San Simon University in 2001 (Bolivia). From 2002 to 2005 he worked as a research assistant on applied econometrics topics and taught undergraduate courses on Econometrics in Bolivia. He is currently finishing the master program in Economics and Statistics at the ULB. His research interests are fiscal policy, growth, development economics and applied econometric; supervisor: Catherine Dehon.

Thomas Verdebout

holds a Master in Mathematics (2005) from ULB and a DEA in Statistics (2006) from ULB. He is currently working on his thesis "Semiparametric Common Principal Components", under the supervision of Davy Paindaveine and Marc Hallin.

Alexis Walckiers

holds a BA in Economics (2000) and an MA in Economics (2002) from ULB. Research: the economics of universities; supervisor: Mathias Dewatripont.

Stefan Zeugner

holds a degree in Economics (Magister) from the Vienna University of Economics (2005), a (2005) CEMS Master in International Management and the Postgraduate Degree in Economics from the Institute for Advanced Studies, Vienna (2007). His research interests include economic geography and growth, econometric sampling models, fixed income etc.; supervisor: Georg Kirchsteiger.

PUBLICATIONS AND WORKING PAPERS

ECARES FELLOWS

Marco Becht

"Corporate Law and Governance", (with P. Bolton & A. Roell), in the *Handbook of Law and Economics*, A.M. Polinsky & S. Shavell (eds), November 2007.

"External Financial Markets Policy: Europe as Global Regulator?", (with L. Correia da Silva), in A. Sapir (ed), *Fragmented Power: Europe and the Global Economy*, 2007, Bruegel, Brussels

"Returns to Shareholder Activism Evidence from a Clinical Study of the Hermes U.K. Focus Fund", (with Franks, C. Mayer & S. Rossi), *Review of Financial Studies*, 2007, forthcoming.

"Where Do Firms Incorporate? Deregulation and the Cost of Entry", (with C. Mayer & H. Wagner), 2007, ECGI-Law Working Paper No. 70/2006.

Estelle Cantillon

"Properties of Scoring Auctions", (with J. Asker), *Rand Journal of Economics*, 2008, forthcoming.

"The Effect of Bidder Asymmetries on Expected Revenue in Auctions", *Games and Economic Behavior*, 2008, forthcoming.

"Competition between Exchanges: Lessons from the Battle of the Bund", (with P-L Ying), mimeo, 2007.

Micael Castanheira de Moura

"Information and Strategic Political Polarization", (with J. Carrillo), *Economic Journal*, 2008, forthcoming.

Réalités et Illusions: réformer sans tabou, (with J. Hindriks), De Boeck, Bruxelles, 2007.

« Les méthodes de la réforme: une approche politico-économique », Papers and Proceedings of the 17th *Congrès des économistes belges de langue française*, 2007.

"Les positions politiques des partis belges" (2007), (with A. Noury), *Reflets et perspectives de la vie économique*, XLVI, De Boeck, 2007, n°1, pp. 15-29.

"Districts, Party Discipline, and Polarization", (with B. Crutzen), mimeo ECARES, 2007.

"Party Organization and Electoral Competition", (with B. Crutzen & N. Sahuguet), mimeo ECARES/U. Rotterdam/HEC Montréal, 2008. Une version plus ancienne est parue sous le titre: "Party Governance and Political Competition with an Application to the American Direct Primary", CEPR DP 4890 (2005)

Paola Conconi

"Is Partial Tax Harmonization Desirable?", (with C. Perroni & R. Riezman), *Journal of Public Economics*, 2008, forthcoming.

"Matching and Mobility: the Cinderella Story", (N. Chen, J. Duran & C. Perroni), mimeo, 2007.

"Is the American Dream Gender Biased?", (N. Chen, J. Duran & C. Perroni), mimeo 2007.

"Fast Track Authority and International Trade Negotiation", (with G. Facchini & M. Zanardi), mimeo, 2007.

"Senate versus House: the Role of Tenure in Voting", (with G. Facchini & M. Zanardi), mimeo, 2007.

"Time Consistent Trade Policy", (with C. Perroni), mimeo, 2007.

"Optimal Delegation in Repeated Games", (with C. Perroni & N. Sahuguet), 2007.

"Scapegoats and Collusion", (with N. Sahuguet), 2007.

Griselda Deelstra

"Bounds for stop-loss Premiums of Stochastic Sums (with Applications to Life Contingencies)", (with G. Darkiewicz, J. Dhaene, T. Hoedemakers & M. Vanmaele), *Journal of Risk and Insurance*, forthcoming, 2008.

Handelingen Contactforum 5th Actuarial and Financial Mathematics Day, 9 februari 2007, (with J. Dhaene, A. De Schepper, H. Reynaerts, W. Schoutens, P. Van Goethem & M. Vanmaele), Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunsten, Brussel, 2007.

"Risk Management of a Bond Portfolio Using Options", (with J. Annaert, D. Heyman & M. Vanmaele), *Insurance: Mathematics and Economics*, 2007, Vol 41(3), pp. 299-316.

"Managing Value-at-Risk for a Bond Using Bond Put Options", (with A. Ezzine, D. Heyman & M. Vanmaele), *Computational Economics*, 2007, Vol 29(2), pp.139-149.

Catherine Dehon

"A New Test for Outlier Detection", (with M. Gassner & V. Verardi), in *International Congress on Development, Environment and Natural Resources: Multi-level and Multi-scale Sustainability*, J. Feyen, L. F. Aguirre, M. Moraes (eds), Publication of the Universidad Mayor de San Simón, 1904-1912, 2007.

"Fuzzy Data in a Uncertain Environment", (with M. Gassner & V. Verardi), in *International Congress on Development, Environment and Natural Resources: Multi-level and Multi-scale Sustainability*, J. Feyen, L. F. Aguirre, M. Moraes (eds), Publication of the Universidad Mayor de San Simón, 1913-1920, 2007.

"Education: Working poor or not?", (with A. Michels, V. Verardi & L. Montano), in *International Congress on Development, Environment and Natural Resources: Multi-level and Multi-scale Sustainability* J. Feyen, L. F. Aguirre, M. Moraes (eds), Publication of the Universidad Mayor de San Simón, 1921-1928, 2007.

"A New Hausman Type Test to Detect the Presence of Influential Outliers", (with M. Gassner & V. Verardi), mimeo, 2007.

"Beware of Good Outliers and Overoptimistic Conclusions", (with M. Gassner & V. Verardi), mimeo, 2007.

"Robust Hedonic Regressions: Unmasking Outliers is not Witchcraft", (with O. Gergaud & V. Verardi), 2007.

Christine De Mol

"An Overview of Some Mathematical Methods for Medical Imaging", (with M. Defrise), *Proceedings 2006 NATO ASI on Medical Physics*, 2008, forthcoming.

"Forecasting with a Large Number of Predictors: Is Bayesian Regression a Valid Alternative to Principal Components?", (with D. Giannone & L. Reichlin), *Journal of Econometrics*, 2008, forthcoming.

"A Regularized Approach to Feature Selection for Face Detection", (with A. Destrero, F. Odone & A. Verri), *Proceedings of the VIII Asian Conference on Computer Vision (ACCV07)*, Springer Lecture Notes on Computer Science 4844, part II, pp. 881-890.

"Sparse and Stable Markowitz Portfolios", (with J. Brodie, I. Daubechies & D. Giannone), *ECORE DP2007/61*, 2007.

Bram De Rock

Collective Choice Behavior: Nonparametric Characterization, Thèse de doctorat, 2007.

"The Collective Model of Household Consumption: A nonparametric characterization", (with L. Cherchye & F. Vermeulen), *Econometrica*, 2007, Vol. 75, 2, pp. 553-574.

"The Anosov Theorem for Infra-Nilmanifolds with Cyclic Holonomy Group", (with K. Dekimpe & W. Malfait), *Pacific journal of Mathematics*, 2007, Vol. 229, 1, pp. 137-160.

"The Anosov Relation for Nielsen Numbers of Maps of Infra-Nilmanifolds", (with K. Dekimpe & W. Malfait), *Monatshefte fur Mathematik* 150, number 1, 2007, pp. 1-10.

"How to Model Collective Decisions? Evidence from a laboratory experiment", (with S. Bruyneel & L. Cherchye), *ECORE DP 2007/116*.

"The Revealed Preference Approach to Collective Consumption Behavior: Testing, Recovery and Welfare Analysis", (with L. Cherchye & F. Vermeulen), 2007, CES Discussion Paper 07.24 (also appeared as IZA Discussion Paper 3062).

Mathias Dewatripont

"Edition scientifique et pouvoir de marché", (with V. Ginsburgh, P. Legros & A. Walckiers), dans *Les publications scientifiques: analyses et perspectives*, Schöpfel J. (ed), Paris: Hermes Science 2008, forthcoming.

"Promises, Promises, ...", (with C. Carrillo), *Economic Journal*, 2008, forthcoming.

"Pricing of Scientific Journals and Market Power", (with V. Ginsburgh, P. Legros & A. Walckiers), *Journal of the European Economic Association*, 5 (2-3), 400-410, 2007.

"Why Reform Europe's Universities", (with P. Aghion, C. Hoxby, A. Mas-Colell & A. Sapir), *Bruegel Policy Brief 2007/04*, Bruegel, Brussels.

"Essential Patents, FRAND Royalties and Technological Standards », (with P. Legros), mimeo, 2007.

"Academic Freedom, Private-Sector Focus and the Process of Innovation", (with P. Aghion and J. Stein), *Rand Journal of Economics*, 2008, 39, pp. 617-635.

Marjorie Gassner

"Redistributing Income under Fiscal Vertical Imbalance", (with C. Dehon & V. Verardi), *European Journal of Political Economy*, 2008, forthcoming.

"A New Test for Outlier Detection", (with C. Dehon & V. Verardi), in *International Congress on Development, Environment and Natural Resources: Multi-level and Multi-scale Sustainability*, J. Feyen, L. F. Aguirre, M. Moraes (eds), Publication of the Universidad Mayor de San Simón, 1904-1912, 2007.

"Fuzzy Data in a Uncertain Environment", (with C. Dehon & V. Verardi), in *International Congress on Development, Environment and Natural Resources: Multi-level and Multi-scale Sustainability*, J. Feyen, L. F. Aguirre, M. Moraes (eds), Publication of the Universidad Mayor de San Simón, 1913-1920, 2007.

"A New Hausman Type Test to Detect the Presence of Influential Outliers", (with C. Dehon & V. Verardi), mimeo, 2007.

"Beware of Good Outliers and Overoptimistic Conclusions", (with C. Dehon & V. Verardi), mimeo, 2007.

Domenico Giannone

Dynamic Factor Models for Large Panels of Time Series, (with L. Reichlin), Princeton University Press, 2008, forthcoming.

"Did the Euro Imply More Correlation of Cycles?", (with M. Lenza & L. Reichlin), NBER Volume, *Europe and the Euro*, A. Alesina & F. Giavazzi (eds), National Bureau of Economic Research, University of Chicago Press, 2008, forthcoming.

"Bayesian VARS with Large Panels", (with M. Banbura & L. Reichlin), *Journal of Applied Econometrics*, 2008, forthcoming.

Forecasting with a Large Number of Predictors: Is Bayesian Regression a Valid Alternative to Principal Components?", (with C. De Mol & L. Reichlin), *Journal of Econometrics*, 2008, forthcoming.

"Explaining the Great Moderation: It Is Not the Shocks, (with M. Lenza & L. Reichlin), *Journal of the European Economic Association*, 2008, forthcoming.

"A New Core Inflation Indicator for New Zealand", (with T. Matheson), *International Journal of Central Banking*, 2008, forthcoming.

"Nowcasting GDP and Inflation: the Real Time Informational Content of Macroeconomic Data Releases", (with L. Reichlin & D. Small), *Journal of Monetary Economics*, 2008, à paraître.

"Sparse and Stable Markowitz Portfolios", (with J. Brodie, I. Daubechies & C. De Mol), ECORE DP2007/61, 2007.

"Comparing Alternative Predictors Based on Large-Panel Dynamic Factor Models", 2007, CEPR Discussion Papers 6564.

"(Un)Predictability and Macroeconomic Stability", (with A. D'Agostino & P. Surico), 2007, CEPR Discussion Papers 6594.

"Opening the Black Box: Structural Factor Models versus Structural VARS", (with M. Forni, M. Lippi & L. Reichlin), WP Series 712, European Central Bank, 2007.

"Incorporating Conjunctural Analysis in Structural Macroeconomic Models", (with F. Monti & L. Reichlin), European Central Bank mimeo, 2007.

Victor Ginsburgh

"The Belgian Art Market", (with H. Bounameaux), in J. Goodwin (ed), *A Guide to International Art Markets*, Kogan Page, 2008, forthcoming.

"Edition scientifique et pouvoir de marché", (with M. Dewatripont, P. Legros & A. Walckiers), in *Les publications scientifiques: analyses et perspectives*, Schöpfel J. (ed), Paris: Hermes Science 2008, forthcoming.

"The Eurovision Song Contest. Is Voting Political or Cultural", (with A. Noury), *European Journal of Political Economy*, 2008, forthcoming.

"Learning Foreign Languages. Theoretical and Empirical Implications of the Selten and Pool Model", (with I. Ortuno-Ortin & S. Weber), *Journal of Economic Behavior and Organization*, 2008, forthcoming.

"Multilingualism", (with S. Weber), in L. Blume & S. Durlauf (eds), *The New Palgrave Dictionary of Economics*, 2008, forthcoming.

"La connaissance des langues en Belgique », (with S. Weber), in M. Castanheira & J. Hindriks (eds), *Réformer sans tabous, Dix questions pour la Belgique de demain*, Brussels: De Boeck, 2007.

"Pricing of Scientific Journals and Market Power", (with M. Dewatripont, P. Legros & A. Walckiers), *Journal of the European Economic Association*, 5 (2-3), 400-410, 2007.

"A propos du répertoire des orchestres symphoniques belges de 1960 à 2005 », (with C. Ceuklemans), *Revue Belge de Musicologie*, 2007.

"Bundling by Competitors and the Sharing of Profits", (with I. Zang), *Economics Bulletin*, 12, 2007, pp. 1-9.

"How to Organize a Sequential Auction. Results of a Natural Experiment by Christie's", (with J. van Ours), *Oxford Economic Papers*, 59, 2007, pp. 1-15.

"The Economics of Literary Translation. A Simple Theory and Evidence", (with S. Weber & S. Weyers), CEPR Discussion Paper 4713, August 2007.

Marc Hallin

"Optimal Rank-Based Tests for Homogeneity of Scatter", (with D. Paindaveine), *Annals of Statistics*, 2008, forthcoming.

"Optimal Tests for Homogeneity of Covariance, Scale, and Shape. Tentatively", (with D. Paindaveine), *Journal of Multivariate Analysis*, 2008, forthcoming.

"A General Method for Constructing Pseudo-Gaussian Tests", (with D. Paindaveine), *Journal of the Japan Statistical Society*, 2008, forthcoming.

"Semiparametrically Efficient Sign-and-Rank Statistics for Median Restricted Models", (with C. Vermandele & B. Werker), *Journal of the Royal Statistical Society*, series B 70, 1-24, 2008, forthcoming.

"Paul Gillis, 1912-2001 », (with J. Mawhin), *Bulletin de la Classe des Sciences de l'Académie Royale de Belgique*, 2008, forthcoming.

"Chernoff-Savage and Hodges-Lehmann results for Wilks' Test of Multivariate Independence", (with D. Paindaveine), in M. Silvapulle (Ed), *Beyond Parametrics in Interdisciplinary Research: Festschrift for P.K. Sen*, I.M.S. Lecture Notes- Monograph Series, 2007, pp 184-196.

"Serial Autoregression and Regression Rank Score Statistics", (with J. Jureckova & H. Koul), in V. Nair (Ed), *Advances in Statistical Modeling and Inference; Essays in honor of Kjell Doksum's 65th birthday*, World Scientific, Singapore, 2007, pp. 335-362.

"The Generalized Dynamic Factor Model: Determining the Number of Factors", (with R. Liska), *Journal of the American Statistical Association*, 2007, 102, p. 603-617.

"Optimal Tests for Non-Correlation between Multivariate Time Series", (with A. Saidi), *Journal of the American Statistical Association*, 2007, 102, pp. 938-951.

"Local Linear Spatial Quantile Regression", (with Z. Lu & K. Yu), mimeo, 2007.

"Pseudo-Gaussian tests for common principal components", (with D. Paindaveine & T. Verdebout), mimeo, 2007.

"Pseudo-Gaussian Inference in Heterokurtic Elliptical Common Principal Components Models", (with D. Paindaveine & T. Verdebout), mimeo, 2007.

Georg Kirchsteiger

"Classical Market Outcomes with Non-Classical Preferences", (with M. Dufwenberg), ECORE DP 2007/44, mai 2007.

Robert Kollmann

"International Portfolios with Supply, Demand and Redistributive Shocks", (with N. Coeurdacier & P. Martin), *NBER International Seminar on Macroeconomics 2007*, 2008, forthcoming.

"Comment on 'International Prices and Productivity: an Empirical Analysis of the Transmission among OECD Countries' (G. Corsetti, L. Dedola, S. Leduc)", *NBER International Seminar on Macroeconomics 2006*, 2008, forthcoming.

"Perturbation Analysis of a Multi-Country Complete Markets Model", (with K. Jinill & K. Sungyun), *Journal of Economic Dynamics and Control*, 2008, forthcoming.

"Perturbation Analysis of a Heterogeneous-Agent Model with Incomplete Markets and Exogenous Bounds on Asset Holdings", (with K. Jinill & K. Sungyun), *Journal of Economic Dynamics and Control* 2008, forthcoming.

"Investment Spending and the Optimal Degree of International Portfolio Diversification", (with N. Coeurdacier & P. Martin), mimeo, 2007.

"Discussion of 'Fiscal Policy, Intercountry Adjustment and Intra-EMU Real Exchange Rates' (D. Vines)", 2007. Prepared for book "EMU@10: achievements and challenges" edited by M. Buti, S. Deroose and V. Gaspar.

Patrick Legros

"Edition scientifique et pouvoir de marché », (with M. Dewatripont, V. Ginsburgh & A. Walckiers), in *Les publications scientifiques: analyses et perspectives*, Schöpfung J. (ed), Paris: Hermes Science 2008, forthcoming.

"Competing for Ownership", (with A. Newman), *Journal of the European Economic Association*, 2008, forthcoming.

"Pricing of Scientific Journals and Market Power", (with M. Dewatripont, V. Ginsburgh & A. Walckiers), *Journal of the European Economic Association*, 5 (2-3), 400-410, 2007.

"Beauty is a Beast, Frog is a Prince: Assortative Matching in a Nontransferable World", (with A. Newman), *Econometrica*, 75(4), 1073-1102, 2007.

"Essential Patents, FRAND Royalties and Technological Standards », (with M. Dewatripont), mimeo, 2007.

"Competitive Prices and Organizational Choices", (with A. Newman), mimeo, 2007.

"Reorganizations: Restructuring or Refinancing?", (with A. Newman), mimeo, 2007.

Guy Mélard

Méthodes de prévision à court terme, 2007, 2^e édition, Editions de l'Université de Bruxelles, Bruxelles et Ellipses Edition Marketing, Paris.

"The Asymptotic and Exact Fisher Information Matrices of a Vector ARMA Process", (with A. Klein & A. Saidi), *Statistics and Probability Letters*, 2008, forthcoming.

"A New Recursive Estimation Method for Single Input Single Output Models", (with A. Ouakasse), mimeo, 2007.

Abdul Noury

Democratic Politics in the European Parliament, (with S. Hix & G. Roland), Cambridge University Press, 2007.

"The Eurovision Song Contest. Is Voting Political or Cultural", (with V. Ginsburgh), *European Journal of Political Economy*, 2008, forthcoming.

"Les positions politiques des partis belges", (with M. Castanheira), *Reflets et perspectives de la vie économique*, XLVI, De Boeck, 2007, n°1, pp. 15-29.

"Government-Opposition or Left-Right? The Institutional Determinants of Voting in Eight Parliaments", (with S. Hix), mimeo, 2007.

"After Enlargement: Voting Patterns in the Sixth European Parliament", (with S. Hix), mimeo, 2007.

Davy Paindaveine

"Optimal Detection of Fechner-Asymmetry", (with D. Cassart & M. Hallin), *Journal of Statistical Planning and Inference*, 2008, forthcoming.

"Optimal Rank-Based Tests for Homogeneity of Scatter", (with M. Hallin), *Annals of Statistics*, 2008, forthcoming.

"Optimal Tests for Homogeneity of Covariance, Scale, and Shape. Tentatively", (with M. Hallin), *Journal of Multivariate Analysis*, 2008, forthcoming.

"A General Method for Constructing Pseudo-Gaussian Tests", (with M. Hallin), *Journal of the Japan Statistical Society*, 2008, forthcoming.

"Chernoff-Savage and Hodges-Lehmann results for Wilks' Test of Multivariate Independence", (with M. Hallin), in M. Silvapulle (Ed), *Beyond Parametrics in Interdisciplinary Research: Festschrift for P.K. Sen*, I.M.S. Lecture Notes- Monograph Series, 2007, pp 184-196.

Semiparametrically efficient rank-based inference for shape. I. Optimal rank-based tests for sphericity", (with M. Hallin), *Annals of Statistics*, 2007, 2707-2756;

“Semiparametrically efficient rank-based inference for shape II. Optimal R-estimation of shape”, (with M. Hallin & H. Oja). *Annals of Statistics*, 2007, 2757-2789.

“A Class of Optimal Tests for Symmetry Based on Edgeworth Approximations”, (with D. Cassart & M. Hallin), mimeo, 2007.

“Pseudo-Gaussian tests for common principal components”, (with M. Hallin & T. Verdebout), mimeo, 2007.

“Pseudo-Gaussian Inference in Heterokurtic Elliptical Common Principal Components Models”, (with M. Hallin & T. Verdebout), mimeo, 2007.

“Signed-Rank Tests for Location in the Symmetric Independent Component Model”, (with K. Nordhausen & H. Oja), mimeo, 2007.

“A Canonical Definition of Shape. Tentatively Accepted in *Statistics and Probability Letters*”, mimeo, 2007.

Lucrezia Reichlin

Dynamic Factor Models for Large Panels of Time Series, (with D. Giannone), Princeton University Press, 2008, forthcoming.

“Did the Euro Imply More Correlation of Cycles?”, (with D. Giannone & M. Lenza), NBER Volume, *Europe and the Euro*, A. Alesina & F. Giavazzi (eds), National Bureau of Economic Research, University of Chicago Press, 2008, forthcoming.

“Introduction to the Conference Volume of the 4th ECB Central Bank Conference”, *The Role of Money: Money and Monetary Policy in the Twenty-First Century*, 2008, forthcoming.

“Bayesian VARS with Large Panels”, (with D. Giannone & M. Banbura), *Journal of Applied Econometrics*, 2008, forthcoming.

“Forecasting with a Large Number of Predictors: Is Bayesian Regression a Valid Alternative to Principal Components?”, (with C. De Mol & D. Giannone), *Journal of Econometrics*, 2008, forthcoming.

“Explaining the Great Moderation: It Is Not the Shocks”, (with D. Giannone & M. Lenza), *Journal of the European Economic Association*, 2008, forthcoming.

“Nowcasting GDP and Inflation: the Real Time Informational Content of Macroeconomic Data Releases”, (with D. Giannone & D. Small), *Journal of Monetary Economics*, 2008, forthcoming.

“Discussion: Taking DSGE Models to the Policy Environment by Alvarez-Lois, Harrison, Piscitelli and Scott”, *Journal of Economic Dynamics and Control*, 2007, 2008, forthcoming.

“Fiscal Divergence and Business Cycle Synchronization: Irresponsibility is Idiosyncratic” (discussion), in Frankel & Pissarides (eds), *NBER International Seminar on Macroeconomics 2005*, MIT Press, 2007.

“Forecasting Using a Large Number of Predictors: is Bayesian Regression a Valid Alternative to Principal Components?”, (with C. De Mol & D. Giannone), ECORE DP2007/60, 2007.

“A Two-Step Estimator for Large Approximate Dynamic Factor Models Based on Kalman Filtering”, (with C. Doz & D. Giannone), CEPR DP No. 6043, 2007.

“Opening the Black Box: Structural Factor Models versus Structural VARs”, (with M. Forni, D. Giannone & M. Lippi), WP Series 712, European Central Bank, 2007.

“Incorporating Conjunctural Analysis in Structural Macroeconomic Models”, (with D. Giannone & F. Monti), European Central Bank mimeo, 2007.

André Sapir

Fragmented Power: Europe and the Global Economy, Bruegel, Brussels, 2007.

“Europe and the Global Economy”, in A. Sapir (ed), *Fragmented Power: Europe and the Global Economy*, Bruegel, Brussels, 2007.

“European Strategies for Growth”, in M. Artis & F. Nixon (eds), *Economics of the European Union*, Third Edition, Oxford University Press, Oxford, 2007.

“Why Reform Europe’s Universities”, (with P. Aghion, C. Hoxby, A. Mas-Colell & A. Sapir), *Bruegel Policy Brief 2007/04*, Bruegel, Brussels.

“The Political Economy of Services Trade Liberalization: A Case for International Regulatory Cooperation?”, (with B. Hoekman & A. Mattoo), *Oxford Review of Economic Policy*, 2007, 23, pp. 367-391.

Bruno van Pottelsberghe

The Economics of the European Patent System, (with D. Guellec), Oxford University Press, Oxford, 2007, 250 p.

"When Small is Beautiful: Measuring the Evolution and Consequences of the Voluminosity of Patent Applications at the EPO", (with E. Archontopoulos, D. Guellec, N. Stevnsborg & N. van Zeebroeck), *Information Economics and Policy*, 2007, 19(2), pp. 103-132.

"Per un Pugno di Dollari: A First Look at the Price Elasticity of Patents", (with G. de Rassenfosse), *Oxford Review of Economic Policy*, 2007, 23(4), pp. 1-17.

"The Rigour of EPO's Patentability Criteria: An Insight into the 'Induced Withdrawals'", (with G. Lazardis), *World Patent Information*, 2007, 29(4), pp. 317-326.

"The Institutional Sources of Knowledge and the Value of Academic Patents", (with E. Sapsalis), *Economics of Innovation and New Technology*, 2007, 16(2), pp. 139-157.

"The Economic Role of the Aviation Industry in Belgium", (with A. Mathieu), *Brussels Economic Review*, 2007, 48 (4), 2005, 393-418.

"A Brief History of Space and Time: the Scope-Year Index as a Patent Value Indicator Based on Families and Renewals", (with N. van Zeebroeck), 2007, CEPR Discussion Papers 6321.

David Veredas

High Frequency Financial Econometrics. Recent Developments, (edited with L. Bauwens & W. Pohlmeier), 2007, Springer Verlag.

"Semiparametric Models for Financial Durations", (with A. Espasa & J. Rodriguez-Poo), in *High frequency financial econometrics. Recent developments*, L. Bauwens, W. Pohlmeier & D. Veredas (eds), 2007, Springer Verlag.

"Macro Surprises and Short-Term Behavior in Bond Futures", in *High Frequency Financial Econometrics, Recent Developments*, Bauwens, Pohlmeier & Veredas (eds) 2007, Springer Verlag.

"Using Intra Annual Information to Forecast the Annual State Deficits. The Case of France", (with L. Moulin, M. Salto & A. Silvestrini). *Empirical Economics* 34/3, pp. 493-524, 2008.

"Testing Conditional Asymmetry. A Residual based Approach", (with P. Lambert & S. Laurent), mimeo, 2007.

"Indirect Inference of Elliptical Fat Tailed Distributions", (with M. Lombardi), CORE DP 2007/18.

Philippe Weil

"Overlapping Generations: the First Jubilee", *Journal of Economic Perspectives*, 2008, forthcoming.

"The Distribution of Total Work in the EU and USA", (with M. Burda & D. Hamermesh), in *Working Hours and Job Sharing in the EU and USA Are Europeans Lazy? Or Americans Crazy?*, T. Boeri, M. Burda & F. Kramarz (eds), 2007.

"Incomplete Markets, Labor Supply and Capital Accumulation", (with A. Marcet & F. Obiols), *Journal of Monetary Economics*, Vol. 54 No. 8, November 2007, pp. 2621-2635.

"Total Work, Gender and Social Norms", (with M. Burda & D. Hamermesh), 2007, NBER WP13000. & CEPR DP6232.

Maurizio Zanardi

"Fast Track Authority and International Trade Negotiation", (with P. Conconi & G. Facchini), mimeo, 2007.

"Senate versus House: the Role of Tenure in Voting", (with P. Conconi & G. Facchini), mimeo, 2007.

"Democratic Peace: the Role of Electoral Incentives", (with P. Conconi & N. Sahuguet), mimeo, 2007.

"What Explains the Proliferation of Antidumping Laws?", (with H. Vandebussche), ECORE DP 2007/86.

POST-DOCTORAL FELLOWS

Carine Peeters

"Accompagner les délocalisations", (with L. Fontagné), in M. Castanheira & J. Hindricks (Eds), *Politique Economique pour la Belgique – Enjeux et Réformes*, Collection Reflets et Perspectives de la Vie Economique, De Boeck, 2007, pp. 161-171

Riccardo Puglisi

Mentire con le statistiche, first Italian translation of *How to Lie with Statistics*, (with G. Livragh), by Darrell Huff. Monti & Ambrosini Editori, Pescara, 2007.

“Partisan Bias in Economic News: Evidence on the Agenda-Setting Behavior of U.S. Newspapers”, (with V. Larcinese & J. Nyder), NBER Working paper w13378, 2007.

DOCTORAL FELLOWS

Narcissa Balta

“Output-Inflation Tradeoffs with State-Contingent Costly Information”, mimeo, ECARES, 2007.

“IRF Matching in the Frequency Domain: Statistical Inference and Model Validation”, (with D. Giannone), mimeo, ECARES, 2007.

Marta Banbura

“Bayesian VARS with Large Panels”, (with D. Giannone & L. Reichlin), *Journal of Applied Econometrics*, 2008, forthcoming.

Laurent Bouton

“Redistributing Income under Fiscal Vertical Imbalance”, (with M. Gassner & V. Verardi), *European Journal of Political Economy*, 2007, à paraître

Aida Caldera

“Does Innovation Help Spanish Firms to Compete Globally?”, mimeo, 2007.

“Assessing the Efficiency of Spanish University Technology Transfer Offices”, (with O. Debande), mimeo, 2007.

Laura Coroneo

“Forecasting the Term Structure of Interest Rates Using a Large Panel of Macroeconomic Data”, (with D. Giannone & M. Modugno), mimeo, 2007.

“How Arbitrage Free Is the Nelson and Siegel Model”, (with K. Nyholm & R. Vidova-Koleva), mimeo, 2007.

Quentin David

“Urban Migrations and the Labor Market”, mimeo, 2007.

“Local social capital, geographical mobility and unemployment in Europe”, (with A. Janiak & E. Wasmer), mimeo, 2007.

Gaetan de Rassenfosse

“Per un Pugno di Dollari: A First Look at the Price Elasticity of Patents”, (with B. van Pottelsberghe), *Oxford Review of Economic Policy*, 2007, 23(4), pp. 1-17.

Denis Herbaux

“The Tyranny of Social Norms on Individual Behavior”, mimeo ECARES, 2007.

Simone Hirschvogel

“Information Asymmetry and the Value of Cash”, (with M. Gruening), mimeo, 2007.

“Cash and Governance”, mimeo, 2007.

“Governance and Fee Setting in the Mutual Fund Industry”, mimeo, 2007.

Frédéric Malherbe

“Time-to-build and Financial Fluctuations”, mimeo, 2007.

Michele Modugno

“Forecasting the Term Structure of Interest Rates Using a Large Panel of Macroeconomic Data”, (with D. Giannone & L. Coroneo), mimeo, 2007.

Francesca Monti

“Incorporating Conjunctural Analysis in Structural Macroeconomic Models”, (with D. Giannone & L. Reichlin), European Central Bank mimeo, 2007.

“Forecasting with Judgment and Models”, mimeo, 2007.

Gianluca Papa

“An inverted-U Relationship between Financial Leverage and Managerial Compensation”, (with B. Speciale), mimeo, 2007.

Rafal Raciborski

“Explaining the Asset Pricing Puzzles in the RBC framework: The Prospect Theory approach”, mimeo, 2007.

“Searching for Additional Sources of Inflation Persistence: the Micro-Price Panel Data Approach”, mimeo, 2007.

Alexander Sebald

“Procedural Concerns in Psychological Games”, ECORE DP, 2007/62.

“Procedural Concerns and Reciprocity”, ECORE DP, 2007/54.

Biagio Speciale

“Remittances and Public Spending on Education”, (with C. Dustmann), mimeo, 2007.

“An inverted-U Relationship between Financial Leverage and Managerial Compensation”, (with G. Papa), mimeo, 2007.

“Do Immigration Countries Free Ride on Foreign Educational Subsidies?”, mimeo, 2007.

“Are Educational Policies Elitist?”, mimeo, 2007.

Lidia Tsyganok

“Is there Competition in the Markets for International Roaming Services?”, revised version, 2007.

“When is it Optimal for the Government to Go Back on its Promises - A Lesson from Privatization in Ukraine”, mimeo, 2007.

Thomas Verdebout

“Pseudo-Gaussian tests for common principal components”, (with M. Hallin & D. Paindaveine), mimeo, 2007.

“Pseudo-Gaussian Inference in Heterokurtic Elliptical Common Principal Components Models”, (with M. Hallin & D. Paindaveine), mimeo, 2007.

Alexis Walckiers

“Edition scientifique et pouvoir de marché, (with M. Dewatripont, V. Ginsburgh & P. Legros), in *Les publications scientifiques: analyses et perspectives*, Schöpfl J. (ed), Paris: Hermes Science 2008, forthcoming.

“Pricing of Scientific Journals and Market Power”, (with M. Dewatripont, V. Ginsburgh & P. Legros), *Journal of the European Economic Association*, 5 (2-3), 400-410, 2007.

ECARES DOCTORAL SCHOOL

Chairs : Georg Kirchsteiger, David Veredas and Robert Kollmann.

The **ECARES Doctoral School** offers internationally competitive, high quality **PhD programs in "Economics and Statistics"** and in **"Quantitative Economics"**. The outstanding quality of the ECARES Doctoral School is also confirmed by a recent study on the quality of doctoral schools in economics, where the ranking is based on the success of the graduates on the academic job market. According to this study due to Amir and Knauff ("Ranking Economics Departments Worldwide on the Basis of PhD Placement", *Review of Economics and Statistics*, 2008, MIT Press, vol. 90(1), pp. 185-190.), **ECARES Doctoral School** is among the **top ten in Europe** and the **third best in Continental Europe**.

The first two years of the PhD programs consist mainly of course work. During the first year the students follow courses in macroeconomics, microeconomics, econometrics, and statistics. In the second year students do field courses and write a first scientific paper. These first two years constitute the **Master programs in "Quantitative Economics" and in "Economics and Statistics"**, respectively. After completing successfully the second year a master is granted. The first and second year courses are mainly taught by ECARES members, but also by visitors from other universities.

Depending on the performance during the first two years, students are allowed to the **doctoral training and thesis writing phase of the PhD programs**. During this phase, the students work on the essays of their PhD-thesis under the supervision of an ECARES member (co-supervision with professors from other universities are welcome). Typically, the thesis writing phase will take another two to three years. The doctoral training are doctoral activities that are attached to the thesis writing phase, such as presenting the research in the internal seminars, participating in workshops and conferences, attending summer and winter schools, following advanced field courses, etc .

ECARES and the Université Libre de Bruxelles are part of the European Doctoral Program network ENTER. This network allows students to do part of their PhD at one of our partner universities: Universidad Autonoma de Barcelona, University College London, Universität Mannheim, Tilburg University, Stockholm University, Stockholm School of Economics, Université Toulouse 1 Sciences Sociales, and Universidad Carlos III de Madrid. To obtain the European Doctorate of the ENTER network students have to spend at least 6 months at one of the other universities of the network.

Students of the ECARES Doctoral School can also attend advanced field courses, workshops and summer and winter schools offered by other universities in Belgium (such as Université catholique de Louvain in Louvain-la-Neuve and Facultés Universitaires Notre-Dame de la Paix in Namur) and abroad.

The Doctoral School also organizes several seminar series. There are four weekly seminars (economics, econometrics and statistics, pure statistics and internal), one monthly seminar on the economics of art and culture, and four quarterly seminar joint with CORE, KULeuven and the Belgian Central Bank. Furthermore, ECARES and CORE from the UCL in Louvain organize together the ECORE seminar.

Download the **Doctoral School information brochure** on www.ecares.org.

DOCTORAL DISSERTATIONS

Delphine Cassart

Title: *Optimal Tests for Symmetry.*

Directors: Marc Hallin & Davy Paindaveine

The goal of this work is to construct new families of univariate and multivariate skew distributions and to propose parametric and nonparametric (distribution-free) tests for the hypothesis of symmetry within those families. Both the null of symmetry about a specified centre and that of symmetry about an unspecified centre are considered. The asymptotic linearity properties required to extend the tests developed in the specified location case to the unspecified one are established. The thesis is divided into three chapters that treat various alternatives to symmetry. In each case, the proposed tests are designed to be locally and asymptotically optimal in the Le Cam sense. Unlike the parametric tests, the nonparametric ones remain valid under a broad family of densities. The efficiency properties of the proposed semiparametric procedures are investigated by computing the asymptotic relative efficiencies with respect to the corresponding Gaussian parametric tests. We also conduct some simulations in order to assess the small-sample performances of our tests.

Antonello D'Agostino

Title: *Understanding co-Movements in Macro and Financial Variables.*

Director: Lucrezia Reichlin

This thesis contributes to the empirical literature on factor models by proposing four original applications. The first chapter studies the forecasting power of stock prices, in a new perspective. On a sample of United States (US) data I analyse the lead-lag structure of the constituents of the Standard & Poors 500 index with respect to the growth rate of industrial production and to the consumer price index yearly inflation. Results show that only a part of the asset returns has a leading behavior with respect to these macro variables. The second chapter analyses the impact of international, industry and country determinants for five European stock markets. Significant evidence points to the increasing influence of industry-specific determinants and a declining influence of national ones, especially since the mid-nineties. The third chapter documents a new fact relating to the macroeconomic stability of the US over the last two decades; the ability to predict several measures of inflation and real activity, relative to naive forecasts, has declined remarkably across most models and horizons since the mid-1980s. The last chapter performs an exhaustive forecasting comparison between the static and dynamic factor models. The empirical literature is rich of applications, but results are hard to interpret. In order to isolate and evaluate the specific characteristics of the methods, we design a procedure where the two non-parametric approaches are nested in a common framework. The main conclusion is that the two methods have a similar performance and deliver highly collinear forecasts.

Gisèle Hites

Title: *Essays on the dynamics of cross-country income distribution and intrahousehold time allocation.*

Director: Catherine Dehon

This thesis contributes to two completely unrelated debates in the economic literature, similar only in the relatively high degree of controversy characterizing each one. The first part is methodological and macroeconomic in nature, addressing the question of whether the distribution of income across countries is converging (i.e. are the poor catching up to the rich?) or diverging (i.e. are we witnessing the formation of two exclusive clubs, one for poor countries and another one for rich countries?). Applications of the simple Markov model to this question have generated evidence in favor of the divergence hypothesis. In the first chapter, I critically review these results. I use statistical inference to show that the divergence results are not statistically robust, and I explain that this instability of the results comes from the application of a model for discrete data to data that is actually continuous. In the second chapter, I reposition the whole convergence-divergence debate by placing it in the context of Silverman's classic survey of non-parametric density estimation techniques. This allows me to use the basic notions of fuzzy logic to adapt the simple Markov chain model to continuous data. When I apply the newly adapted Markov chain model to the cross-country distribution question, I find evidence against the divergence hypothesis, and this evidence is statistically robust.

The second part of the thesis is empirical and microeconomic in nature. I question whether observed differences between husbands' and wives' participation in labor markets are due to different preferences or to different constraints. My identification strategy is based on the idea that the more power an

individual has relative to his/her partner, the more his/her actions will reflect his/her preferences. I use 2001 PSID data on cohabiting couples to estimate a simultaneous equations model of the spousal time allocation decision. My results confirm the stylized fact that specialization and trade does not explain time allocation for couples in which the wife is the primary breadwinner, and suggest that power could provide a more general explanation of the observations. My results show that wives with relatively more power choose to work more on the labor market and less at home, whereas husbands with more power choose to do the opposite. Since women start out from a lower level of labor market participation than men do, it would seem that spouses' agree that the ideal mix of market work and housework lies somewhere between the husbands' and the wives' current positions.

Alexandre Janiak

Title: *Job Reallocations in Period of Structural Change*

Directors: Etienne Wasmer

A recent literature claims that labour market frictions alone cannot account for the high level and persistence in unemployment. New approaches are required. Interactions with other sides of economies, for instance, credit market frictions, could indeed explain the differences between Europe and US unemployment: in Europe, new entrepreneurs have difficulties to find some financing to create their own firms, which is a brake on job creations (see Acemoglu (2001) and Wasmer and Weil (2004)). Another paper by Blanchard and Giavazzi (2003) analyses interactions between product and labour markets and the deregulation process in Europe. In the same spirit, my research proposal is an investigation of labour markets in the context of open economies. It contains both theoretical and empirical points of view.

Traditional theories in International Economics present the world as a large set of small countries that are dominated by the system of international markets. In this way each country specialises in the production of one good and adapts to international shocks with flexibility. Those theories do not reflect the framework of labour markets when analysing workers' mobility and short-run reallocation costs. It seems useful to adopt another benchmark.

Today, in the context of globalization, our societies are increasingly connected to the rest of the world and job reallocations operate differently, under the influence of liberalization of trade. Furthermore, according to regions' features and integration, the degree of influence could vary: we argue that the relationship between a region and the rest of the world is fundamentally a frictional one. These frictions and market imperfections are numerous: they can be imperfect information, imperfect capital mobility, mobility costs, entry cost to export market, frictions on international financial markets...

In this context, Melitz (2003), in his model of intra-industry reallocations, argues that following trade openness, small firms would die and only big firms should survive due to the presence of entry cost in export markets. Even though employment in big firms should be higher, the net effect on employment is undetermined and one might fear a rise in unemployment. However, Melitz considers a full employment economy and my purpose is to merge his model with the large firm model from Pissarides (2000) to account for all the relevant market imperfections that play a role in the globalisation process. Second, such an effect would be tested in the estimation of a panel VAR model and by using the Generalised Method of Moments to account for endogeneity issues.

In another project, I am looking at intersectoral labour mobility in the framework of open economies. I would highlight the trade-off between specialization and labour mobility when an economy has to choose between two types of education: general and vocational education. I develop a two-sector matching model in which workers are endowed either with some sector-specific human capital or with some general human capital. The former type of worker is more productive whereas the second is more mobile across sectors. I argue that those particular features of the model can account for the steady increase in unemployment that most of the European economies have experienced since the sixties: those countries have known an important structural shift from agriculture and manufacturing to services and IT markets, but have not been able to reallocate their labour force because of overspecialised workers.

Michele Lenza

Title: *Essays on Monetary Policy, Saving and Investment*

Directors: Lucrezia Reichlin & Philippe Weil.

This thesis addresses three relevant macroeconomic issues:

The first chapter studies optimal monetary policy in an economy with a degree of sectorial heterogeneity in the frequency of price adjustments observed in real economies and shows that the supposedly excessive caution observed in the conduct of monetary policy by actual Central Banks is the optimal monetary policy response in presence of a relevant sectorial dispersion in the frequency of price adjustments.

The second chapter studies whether monetary variables provide useful information about future euro area inflation beyond what alternative sources of information. It shows that monetary variables improved on the performance of other sources of information at horizons above two years only in a limited part (1999-2002) of the prediction sample (1997 – 2005), which casts doubts on their usefulness to predict inflation in the Euro Area.

The third chapter (based on joint work with Domenico Giannone) shows that the Feldstein - Horioka puzzling finding that domestic saving and investment in OECD countries strongly comove can be explained by general equilibrium effects. In fact, global shocks, affecting all countries, tend to create imbalance on global capital markets causing offsetting movements in the global interest rate and can generate the observed correlation across national saving and investment rates. Previous studies have not found this result because they neglected the fact that global shocks may propagate heterogeneously across countries. In fact, controlling for heterogeneous transmission of global shocks, the association between domestic saving and investment decreases considerably over time, consistently with the observed increase in international capital mobility.

Biagio Speciale

Title: *Essays on the Economics of Education and Migration*

Directors: Mathias Dewatripont.

In the first chapter, which is entitled “Do immigration countries free ride on foreign educational subsidies?”, I study the impact of migration on the provision of public educational subsidies in destination countries. In a simple theoretical framework in which productivity is fostered by an individual’s own human capital as well as by the average level of human capital in the economy, it is shown how immigration may be a way for destination countries to free ride on foreign educational subsidies. Using data on a panel of OECD countries over the period 1980-2000, the estimates confirm that some immigration countries are free-riding on foreign educational subsidies: an increase in the foreign labor force is found to reduce public spending on education in traditional immigration countries where immigrants are more educated than natives.

The second paper is a joint work with Christian Dustmann (University College London). The aim of this paper is to study the impact of migrant remittances on public education spending in recipient countries. We build a simple theoretical framework where government intervention in education is motivated by the presence of credit constraints. On the one hand, an increase in remittances relaxes liquidity constraints, which implies a reduction in public spending. On the other hand, remittances may allow households to send children to school rather than to the labor market. This implies an increase in the demand for educational services. The two effects imply a non-monotonic relationship between remittances and public education expenditure. To test the predictions of the model, we use data on a panel of developing countries. Our estimation strategy deals with the possible endogeneity of remittances and the unavailability of data on remittances that are sent through unofficial channels.

The third paper analyzes the link between public education spending and educational inequality. The interest of this research question lies in the fact that recent empirical studies have shown how human capital inequalities negatively affect economic growth rates and provide more robust results than income inequality measures in the estimation of standard growth equations (Castelló and Doménech, 2002). In particular, I build a model of human capital formation where government intervention in education is justified by the existence of credit market imperfections. The framework provides conditions on the level of development of an economy under which the educational policies are elitist, that is they increase the spread between the educational achievement of bright and less bright individuals. Using the measures of educational inequality recently constructed for both developed and developing countries by Castelló and Doménech (2002), the empirical section provides some support of the theoretical predictions of the model. The paper also presents estimates of the effects of public expenditure on human capital inequality by education level.

SELECTED ECARES ACTIVITIES

CONFERENCES AND WORKSHOPS

Fifth Workshop on Socrates "On-Line Learning Mathematics and Sciences" Project

Organized by Atika Cohen (ULB) & **Guy Mélard** (ECARES, ULB), on June 11-12 2007, for the project 225679-CP-1-2005-1-BG-MINERVA-MPP, acronym OnLineMath&Sciences, ULB, Bruxelles.

Conference on International Adjustment

Organized by **Robert Kollmann** (ECARES, ULB), Belgium National Bank and CEPR, on November 9-10, 2007.

SESSION 1 Chairman: *Raf Wouters (National Bank of Belgium)*

Oil Shocks and External Adjustment, **Martin Bodenstein** (Federal Reserve Board), Christopher Erceg (Federal Reserve Board) & Luca Guerrieri (Federal Reserve Board). *Discussant: Luca Dedola* (ECB and CEPR).

Explaining the Effects of Government Spending Shocks on Consumption and the Real Exchange Rate, Stephanie Schmitt-Grohé (Duke University and CEPR) & **Martin Uribe** (Duke University). *Discussant: Roel Beetsma* (University of Amsterdam and CEPR).

The Currency Denomination of Exports - a Questionnaire Study, **Richard Friberg** (Stockholm School of Economics and CEPR). *Discussant: Emmanuel Dhyne* (National Bank of Belgium).

SESSION 2 Chairman: **Hans Dewachter** (University of Leuven)

The International Propagation of News Shocks, **Frank Portier** (University of Toulouse and CEPR), Paul Beaudry (University of British Columbia) & Martial Dupaigne (University of Toulouse). *Discussant: Laura Veldkamp* (New York University).

Information Immobility and the Home Bias Puzzle, **Stijn van Nieuwenburgh** (New York University) & Laura Veldkamp (New York University). *Discussant: Fabrice Collard* (University of Toulouse)

Capital Flows and Asset Prices, **Gianluca Benigno** (London School of Economics and CEPR), Kosuke Aoki (London School of Economics and CEPR) & Nobuhiro Kiyotaki (Princeton University and CEPR). *Discussant: Cédric Tille* (Graduate Institute for International Studies).

SESSION 3 Chairman: **Giancarlo Corsetti** (European University Institute and CEPR).

Common Risk Factors in Currency Markets, **Hanno Lustig** (UCLA), Nick Roussanov (Wharton) & Adrien Verdelhan (Boston University). *Discussant: Pierpaolo Benigno* (LUISS and CEPR).

Financial Exchange Rates and International Currency Exposures, **Philip Lane** (Trinity College Dublin and CEPR) & Jay Shambaugh (Dartmouth College). *Discussant: Philippe Martin* (University of Paris I and CEPR).

Annual European Winter Meeting of the Econometric Society

Organized this time in Brussels by **Mathias Dewatripont** (ECARES, ULB) and the Econometric Society on November 16-17, 2007.

Ronald Bachmann (RWI Essen, Germany): *Sectoral Transformation, Turbulence, and Labor Market Dynamics in Germany*.

Jesper Bagger (University of Aarhus, Denmark): *Early Career Wage Profiles and Mobility Premiums*

Martin Bech Holte (IIES, Stockholm University, Sweden): *Taxation, Talent identification and CEO Pay*.

Raphael Espinoza (Oxford University, UK): *Liquidity and the Slope of the Yield Curve*.

Alain Gabler (European University Institute, Italy): *Sector-Specific Markup Fluctuations and the Business Cycle*.

François Le Grand (Paris School of Economics, & Barclays Capital, Paris, France): *Incomplete Markets and the Yield Curve*.

Anna Lo Prete (European University Institute, Italy): *International Consumption Insurance and Within-Country Risk-Reallocation*

Jaime Luque (Universidade Nova de Lisboa, Portugal): *Migration Choice and Jurisdiction Size in a Local Public Good Economy: the Role of Exclusion*

Anna Naszodi (Central European University, Budapest, Hungary): *Are the Exchange Rates of EMU Candidate Countries Anchored by their Expected Euro Locking Rates?*

Robert Ostling (Stockholm School of Economics, Sweden): *Field and Lab Convergence in Poisson LUP Games.*

Rafaella Sadun (London School of Economics, UK): *Americans do I.T. Better: US Multinationals and the Productivity Miracle.*

Melanie Schienle (University of Mannheim, Germany): *Nonparametric Nonstationary Regression.*

Heiner Schumacher (University of Mannheim, Germany): *Imitating Cooperation and the Formation of Long-Term Relationships.*

Alexander Sebald (Université Libre de Bruxelles, Belgium): *Procedural Concerns in Psychological Games.*

Bram Thuysbaert (Katholieke Universiteit Leuven, Belgium): *Distributional comparisons in difference-in-differences models.*

Joao Vieira Montez (Université de Lausanne, Suisse): *Downstream Mergers and Producer's Capacity Choice: Why Bake a Larger Pie when Getting a Smaller Slice?*

Workshop on the Regulation of Airport Noise

Organized by Thierry Bréchet (UCL), **Estelle Cantillon & Pierre Picard** (ECARES, ULB), on December 10, 2007.

Welcome: **Victor Ginsburgh**, Director of ECORE Executive Board.

SESSION 1: Hedonic Price Studies

Social Cost of Aircraft Noise and Public Debates on Noise Regulation, **Guillaume Faburel**, (Centre for Research on Planning: Land use, Transport, Environment and Local Governments - University Paris XII). *Discussant: Thierry Bréchet* (CORE, Université catholique de Louvain).

Hedonic Property Value Studies of Transportation Noise: Aircraft and Road Traffic, **Jon Nelson** (Economics, Pennsylvania State University, USA). *Discussant: Johan Eyckmans* (EHSAL).

SESSION 2: Market Design

The Price of Silence: Markets for Noise Licenses and Airports, **Pierre M. Picard** (University of Manchester, UK, ECARES and CORE), (with Thierry Bréchet, CORE, Université catholique de Louvain). *Discussant: Jon Nelson* (Pennsylvania State University, USA).

SESSION 3: Market Design

Airport Noise Regulation, Airline Service Quality and Social Welfare, **Jan Brueckner**, (University of California, Irvine, USA), (with Raquel Girvin, University of California, Irvine). *Discussant: Stef Proost* (Centre for Economic Studies, Katholieke Universiteit Leuven).

Discussion Panel with Regulation Authorities

Chair : **Estelle Cantillon** (ECARES, ULB and FNRS), **Philippe Ayoun** (Direction Générale de l'Aviation Civile, France), **Peter Hullah** (Strategy Unit, Eurocontrol Experimental Centre), **Jules Kneepkens** (Direction Générale du Transport Aérien, Belgique) & **Marc Martens**, (Bird&Bird).

International Colloquium "Ranking and Research Assessment in Higher Education"

Organized by **Catherine Dehon** (ECARES, ULB), the Faculté des Sciences sociales, politiques, et économiques, & the Solvay Business School (ULB), on December 12, 2007.

Introduction, Philippe Vincke (Rector, ULB)

Ranking Universities: How, Why, and What Happens when You Do, **Martin Ince** (Times Higher Education Supplement). *Chairperson: Dirk Jacobs* (ULB)

Benchmarking Universities Worldwide: Existing Results and Future Efforts of ARWU (Academic Ranking on World Universities), **Ying Cheng** (Observatoire des Sciences et des Techniques, France & Institute of Higher Education, Shanghai Jiao Tong University). *Chairperson: Pierre de Maret* (pro-rector, ULB).

Ranking Universities. The CHE-Approach, **Gero Federkeil** (Centrum für Hochschulentwicklung (CHE), Germany). *Chairperson: Pierre de Maret* (pro-rector, ULB).

The Leiden Ranking. Lessons from Bibliometrics, **Anthony Van Raan** (University of Leiden). *Chairperson: Luc Wilkin* (ULB).

Ranking Web of Universities: Visualization of the European Academic Web Space, Isidro F. Aguillo (Cybermetrics Lab, CSIC, Madrid). *Chairperson: Luc Wilkin* (ULB).

Ranking European Economics Departments: a Statistical Approach, Michel Lubrano (Université de Marseille).
Chairperson: **Serge Jaumain** (ULB).

The New Unified French Evaluation Agency for Research and Higher Education: a Direct Consequence of International Ranking, **Alain Menand** (AERES, l'Agence d'évaluation de la recherche et de l'enseignement supérieur). Chairperson: **Serge Jaumain** (Vice-Rector, ULB).

Special Session of one of our conference sponsors: Scopus Workshop / Tutorial. Presentation of Scopus (Elsevier), an abstract and citation database of research literature and quality web sources.

Introduction, Véronique Halloin (Vice-Rector, ULB).

The Research Assessment Exercise in the United Kingdom, **Paul Hubbard** (Higher Education Funding Council for England). Chairperson: **Catherine Dehon** (ECARES, ULB).

Evaluating research in Dutch Universities, **Roel Bennik** (Quality Assessment Netherlands Universities).
Chairperson: **Pascal Delwit** (ULB).

The CHE Research Ranking of German Universities, **Sonja Berghoff** (CHE, Germany). Chairperson: **Pascal Delwit** (ULB).

On the "Multi-Dimensionality" of Ranking and the Role of Bibliometrics in University Ranking, **Wolfgang Glanzel** (Katholieke Universiteit Leuven). Chairperson: **André Sapir** (ECARES, ULB)

Why Reform Europe's Universities?, **Mathias Dewatripont** (ECARES, ULB). Chairperson: **Pascal Delwit** (ULB).

Round Table: How Useful Are Rankings and Evaluations? What Type of Rankings and Evaluations Should We Take Seriously? Should Universities Change Their Policy Choices in Light of Their Position in Rankings?,
Chairperson: **André Sapir** (ECARES, ULB): Participants to the round table: **Kurt Vandenberghe** (European Commission, member of cabinet of Commissioner Potocnik), **Mathias Dewatripont** (ECARES, ULB, & member of the European Research Council), **Marcel Crochet** (honorary Rector UCL, advisor to the Minister of Higher Education and Research, French Community in Belgium) & **David Livesey** (Secretary-General League of European Research Universities).

ECARES RESEARCH SEMINARS

Economics

Nicolas Coeurdacier (ESSEC): *Do Trade Costs in Goods Markets Lead to Home Bias in Equities?*

Arnaud Costinot (University of California, San Diego): *Heterogeneity and Trade*.

Wouter Den Haan (University of Amsterdam and London Business School): *The Role of Debt and Equity Finance over the Business Cycle*.

Sayantana Ghosal (University of Warwick): *Decision with Endogenous Frames*.

Michael Haliassos (University of Frankfurt): *Economic Integration and Mature Portfolios*.

Donatien Hainaut (Université Catholique de Louvain): *Optimal Funding of a Defined Benefit Pension Plan. Management of a Pension Fund under Mortality and Financial Risks*.

Li Hao (University of Toronto): *Credible Ratings*.

Elhanan Helpman (Harvard University): *Trade and Unemployment*.

Igal Hendel (Northwestern University): *The Relative Performance of Real Estate Marketing Platforms: MLS versus FSBO Madison.com*.

Ethan Iizetzki (University of Maryland): *Rent-Seeking Distortions, Voluntary Insolvency, and Fiscal Procyclicality*.

Beata Javorcik (The World Bank): *The Role of Debt and Equity Finance over the Business Cycle*.

Jacques Lawarrée (University of Washington): *Bribery vs. Extortion: Allowing the Lesser of Two Evils*.

Alessandro Lizzeri (New York University): *Parental Guidance and Supervised Learning*.

Lars Ljungqvist (Stockholm School of Economics): *The Missing Swedish Skill Premium: Sweden versus the United States 1970-2002*.

Hanno Lustig (University of California, Los Angeles): *A Multiplier Approach to Understanding the Macro Implications of Household Finance*.

Philippe Martin (Université de Paris 1): *Make Trade not War?*

Tommaso Monacelli (Bocconi University): *Mortgage Markets, Collateral Constraints, and Monetary Policy: Do Institutional Factors Matter?*

Massimo Morelli (Ohio State University): *Guns, Butter and Arms Races*.

Peter Neary (Merton College, Oxford): *Multi-Product Firms and Flexible Manufacturing in the Global Economy*.

Gianmarco Ottaviano (University of Bologna and Bruegel): *Outsourcing, Comparative Advantage and Growth*.

Pierre Picard (University of Manchester): *Currency Areas and International Assistance*.

Jan Potters (Tilburg University): *Cooperation in Experimental Games of Strategic Complements and Substitutes*.

Andrea Prat (London School of Economics): *Cities as Assets*.

Bruce Preston (Columbia University): *Central Bank Communication and Expectations Stabilization*.

Eugenio Proto (Warwick University): *Moral Hazard and Entrepreneurial Failure in a Two-sector Model of Productive Matching – with an Application to the Natural Resource Curse*.

Werner Roeger (European Commission, DG ECFIN): *How to Close the Productivity Gap with the US. A Quantitative Assessment Using a Multi Country Endogenous Model*.

Gérard Roland (UC Berkeley): *What Makes a Successful Entrepreneur? Evidence from Brazil*.

Howard Rosenthal (New York University): *In and Out Investors in “Deregulated” Electric Utilities in the United States*.

Esteban Rossi-Hansberg (Princeton University): *Organizing Growth*.

Pablo Rovira Kaltwasser (Katholieke Universiteit Leuven): *Modeling Optimism and Pessimism in the Foreign Exchange Market, joint with Paul De Grauwe*.

Selen Sarisoy (CEPS): *Political Regime and Vertical vs Horizontal FDI*.

Jim Schummer (Northwestern University): *Credible Deviations from Signaling Equilibria*.

Genaro Sucarrat (Universidad Carlos III, Madrid): *Why Should “True Models” Be Unique*

Daniel Traca (Solvay Business School): *Corruption, Protectionism and Trade*.

Harald Uhlig (Humboldt University, Berlin): *Explaining Asset Prices with External Habits and Wage Rigidities in a DSGE Model. Macroeconomics and Asset Markets: Some Mutual Implications*.

Philip Verwimp (FWO postdoctoral fellow, University of Antwerp): *Health and Civil War in Rural Burundi*.

Gérald Willmann (Katholieke Universiteit Leuven): *Political Stasis or Protectionist Rut? Policy Mechanisms for Trade Reform in a Democracy*.

Maurizio Zanardi (Tilburg University): *The Chilling Effects of Antidumping Law Proliferation, joint with Hylke Vandenbussche*.

Econometrics and Statistics

Matteo Barigozzi (Sant’Anna School of Advanced Studies, Pisa): *Dynamic Factor GARCH: Multivariate Volatility Forecast for a Large Number of Series*.

Charles Bos (Vrije Universiteit Amsterdam): *Model-based Estimation of High Frequency Jump Diffusions with Microstructure Noise and Stochastic Volatility*.

Giorgio Calzolari (University of Florence): *Indirect Estimation of Conditionally Heteroskedastic Factor Models*.

Elise Coudin (INSEE): *Finite-Sample Distribution-Free Inference in Linear Median Regressions under Heteroskedasticity and Nonlinear Dependence of Unknown Form*.

Veronika Czellar (HEC, Paris): *Second-order Accurate and Robust Indirect Inference*.

Geert Dhaene (Katholieke Universiteit Leuven): *Jackknife Bias Reduction for Nonlinear Dynamic Panel Data Models with Fixed Effects*.

Michael Flad (University of Frankfurt): *Do Macrofactors Help Forecasting Stock Market Volatility?*

Cecilia Frale (University of Rome, Tor Vergata): *A Monthly Indicator for the Euro Area GDP. Do Surveys Help in Macroeconomic Variables Disaggregation and Estimation?*

Guillaume Horny (Université de Strasbourg): *Bayesian Estimation of Semiparametric Duration Models with Spatial Dependence*.

Frédéric Jouneau (GREMARS, Université de Lille 3): *Uniformly Consistent and Exact Tests for Semiparametric Single-Index Models*.

Asger Lunde (Aarhus University): *Bipower Variation with Noisy Data*.

Loriano Mancini (University of Zurich): *Option Pricing with Aggregation of Physical Models and Nonparametric Statistical Learning*.

Simone Manganeli (European Central Bank): *Asset Allocation by Penalized Least Squares*.

Roel Oomen (Deutsche Bank): *Quantile Based Realized Variance*.

Angelika Rohde (Weierstrass Institute, Berlin): *Adaptive Goodness-of-Fit Tests based on Signed Ranks*.

Antonio Rubia (University of Alicante): *Testing for Structural Breaks in Variance with Additive Outliers and Measurement Errors*.

Kevin Sheppard (Oxford University): *Positive Semi-Definite Matrix Multiplicative Error Models*.

Jean-Pierre Urbain (University of Maastricht): *Panel Error Correction with Global Stochastic Trends*.

Statistics

Jaakko Nevalainen (National Public Health Institute & Tampere School of Public Health): *Dendrogram-Based Risk Pattern Detection*.

Fred Delbaen (ETH Zurich): *Viscous Hamilton-Jacobi Equation and a Problem from Mathematical Economics*.

Myriam Vimond (Université de Rennes 2 - Haute Bretagne): *Statistical Inference for Semiparametric Regression Models Based on Fourier Transforms*.

Avner Bar Hen (Université Paris V): *Statistical Analysis of Noisy Point Processes*.

Holger Dette (Ruhr-Universität Bochum): *A simple nonparametric estimator of a monotone regression function*.

Herold Dehling (Ruhr-Universität Bochum): *60 Years Theory and Applications of U-Statistics*.

Marc Genton (Texas A&M University and University of Geneva): *Modeling and Testing Properties of Space-Time Covariance Functions*.

Jean-Claude Deville (ENSAI/CREST): *Calage Généralisé et traitement de la non-réponse non-ignorable*.

David Causeur (Agrocampus, Rennes): *Procedures based on auxiliary variables for multiple testing, supervised classification, and local regression*.

Matias Salibian-Barrera (University of British Columbia): *Robust inference for linear regression*.

Cédric Heuchenne (HEC, Université de Liège): *Parametric Checks for Censored Regression Models*.

Pascal Massart (Orsay): *Calibration de Pénalité : Heuristiques et résultats*.

Gilles Stoltz (Ecole Normale Supérieure): *Prédiction de suites individuelles : agrégation convexe séquentielle et/ou situations d'information imparfaite*.

Kanchan Mukherjee (University of Lancaster): *Generalized R-Estimators under Conditional Heteroscedasticity*.

Economics of Arts

Céline De Potter (Université Charles-De-Gaulle-Lille 3): *La collection belge du musée du Jeu de Paume à Paris, 1921-1939*.

Claude Katz (Avocat et Professeur à La Cambre): *Droits d'Auteur et Contrefaçons: L'Exemple des Uniformes de Police*.

Joël Roucloux (Université Catholique de Louvain, Directeur du Musée de Louvain-la-Neuve): *Hors Circuit et court-circuits : Le cas oublié de l'art naïf*.

François Ost (Facultés Universitaires Saint-Louis), *Droit et littérature, des liaisons dangereuses?*

Danielle Lories (Université catholique de Louvain), *L'esthétique pragmatique de John Dewey. Coup d'oeil sur une caricature floue*.

Internal Seminars

Laurent Bouton: *Condorcet Meets Duverger: Information Aggregation in Three Electoral Systems*, joint with Micael Castanheira, & *The Ortega Effect*.

Estelle Cantillon: *How and When Do Markets Tip? Lessons from the Battle of the Bund*, joint with Pai-Ling Yin, Harvard Business School.

Paolo Casini: *Competition and Altruism in Microcredit Markets*.

Paola Conconi: *Fast Track Authority and Trade Negotiations*.

Jorge Duran: *Long-Run Substitution between Physical and Human Capital.*

Julia Nafziger: *Information Management and Incentives.*

Alexander Sebald: *Procedural Concerns.*

David Veredas: *How Much of Ask-Bid Quotes Variance is Information and How Much Is Noisy?*

ECORE SEMINARS

Kristian Behrens (CORE): *Testing the "Home Market Effect" in a Multi-Country World.*

Thierry Bréchet (CORE): *The Race for Polluting Permits.*

Micael Castanheira (ECARES): *Information Failures and Political Economics.*

Giordano Mion (CORE): *Productivity and Firm Selection: Intra-National vs Inter-National Trade.*

Abdul Noury (ECARES): *Enlargement and Coalition Formation in the European Parliament.*

Yves Smeers (CORE): *Gas market simulation models and European policy objectives.*

ECORE-KUL SEMINARS

Geert Ridder (University of Southern California): *Complementarity and Aggregate Implications of Assortative Matching: A Nonparametric Analysis.*

JOINT NBB – CES, KUL – ECARES, ULB – UCL SEMINARS

Richard Blundell (University College London and Institute for Fiscal Studies): *From Income to Consumption: Partial Insurance and the Transmission of Inequality.*

Florian Pelgrin (HEC Lausanne): *Aggregating Phillips Curves.*

VISITORS

Philippe Aghion, Harvard University

Rabah Amir, University of Arizona

Simon Anderson, University of Virginia

Eric Budisch, Harvard University

Benoît Crutzen, Erasmus University, Rotterdam

Russell Davidson, McGill University

Antonio Estache, The World Bank

Giovanni Facchini, University of Illinois

Marcelo Fernandes, Queen Mary, University of London

Jaakko Nevalainen, National Public Health Institute & Tampere School of Public Health

Igal Hendel, Northwestern University

Ethan Ilizetzi, University of Maryland

Mikko Leppamäki, University of Helsinki

Andreu Mas-Colell, Universitat Autònoma de Barcelona

Fulvio Mulatero, Swiss Pedagogical Institute for Vocational Education

Andrew Newman, Boston University

Marek Omelka, Charles University

Carlo Perroni, Warwick University

Gérard Roland, University of Berkeley

Howard Rosenthal, New York University

Nicolas Sahuguet, HEC Montreal

Christophe Soil, Harvard University

Konrad Stahl, University of Mannheim

Sergey Stepanov, New School of Economics, Moscow

Jean Tirole, Université de Toulouse 1

Pai-Ling Yin, Harvard Business School

Israel Zang, Tel Aviv University

RESEARCH CONTRACTS AND GRANTS

BELGIAN SOURCES

Actions de Recherche Concertées (ARC)

Christine De Mol, Marc Hallin & Lucrezia Reichlin : are promoters of a research contract on *Prévisions dans un contexte riche en données: applications financières et macroéconomiques* (October 2002-September 2007).

Pôles d'Attraction Interuniversitaire (PAI)

Mathias Dewatripont: *Higher Education and Research: Organizations, Market Interaction and Overall Impact in the Knowledge-Based Era*, Services Fédéraux des Affaires scientifiques, techniques et culturelles, contract PAI P6/09, 2007-2011 (other partners : Katholieke Universiteit Leuven, Université de Mons-Hainaut, Facultés Universitaires Catholiques de Mons, Facultés Universitaires Saint-Louis, Universiteit Antwerpen, Institut d'Economie Industrielle (Toulouse) & Maastricht Economic Research Institute on Innovation and Technology). 2 other professors are associated to this contract: **Patrick Legros & André Sapir**.

Philippie Weil: *Economic Policy and Finance in the Global Economy: Equilibrium Analysis and Social Evaluation*, Services Fédéraux des Affaires scientifiques, techniques et culturelles, partner in the contract PAI P6/07, 2007-2011. One other professor is associated to this contract **David Veredas**.

Mandat de retour PAI

Mathias Dewatripont: *The Strategic Implications of Offshoring Administrative and Technical Work for Corporate Growth and Innovation – a Multiyear Firm Level Study in Belgium, other Western European Countries and the United States*, Politique scientifique fédérale, researcher: **Carine Peeters**, 2006-2008.

Mini-ARC

Paola Conconi: *Le phénomène de “nivellement par le bas” en matière de concurrence fiscale intergouvernementale: illusion ou réalité ?*, doctoral researcher: **Laurent Bouton**, 2005-2009

Estelle Cantillon: *Essays in Competition Policy*, co-promotor: **Patrick Legros**, doctoral researcher: **Lorenzo Clementi**, 2007-2009.

Catherine Dehon: *Quantile Regression Analysis in Portfolio Decisions*, co-promotor: **David Veredas**, doctoral researcher: **Laura Coroneo**, 2006-2010.

FNRS

Paola Conconi: *Is the American Dream Gender Biased?*, FNRS 1.5.270.07, 2006-2008.

Estelle Cantillon: *Empirical Research in Market Design*, FNRS, 2006-2008.

Mathias Dewatripont: *Essai sur le capital social et l'éducation*, FNRS, contrat 1.5733.06, doctoral researcher: **Denis Herbaux**, 2005-2009.

Davy Paindavine: *Agrégation dans les modèles d'économétrie financière*, FNRS, contrat 1.A724.07, doctoral researcher: **Alexandre Petkovic**, 2006-2010.

Davy Paindavine: *Extension of Koenker and Basset (1978)'s Celebrated Concept of Regression Quantiles to the Multivariate Setting (Multiple Output Regression), and Development of the Corresponding Multivariate Rank Scores*, Mandat d'impulsion scientifique FNRS F.4506.07, post-doctoral researcher: **Miroslav Siman** (2006-2009).

Belgian National Bank

Paola Conconi: *The Intra-Household Distributional Effects of Migration: Is There a gender Gap?*, 2006-2007.

Mathias Dewatripont: *The Economics and Psychology of Communication: an Experimental Test*, 2006-2007 (with Régine Kolinsky & José Junca de Morais).

Domenico Giannone: *Measuring the World Real Interest Rate: a General Equilibrium Approach*, 2006-2007, with **Lucrezia Reichlin**.

Robert Kollmann: *Intégration financière, politique monétaire et activité économique*, 2007

Abdul Noury : *Instabilité politique et performance économique*, 2006-2007.

David Veredas: *Exploiting the Information Content in a Limit Order Book*, 2007.

Research in Brussels

Estelle Cantillon: *Airport and Tradeable Noise Permits*, Programme « Research in Brussels », Région de Bruxelles-Capitale, researcher : **Pierre Picard** (University of Manchester), 6 months (June-November 2007).

EUROPEAN SOURCES

SOCRATES

Guy Mélard: *On Line Math&Sciences - On-Line Learning Mathematics and Sciences*, project Socrates-Minerva 225679-CP-1-2005-1-BG-MINERVA – European Commission, (With Université Technique de Sofia, l'Université des Sciences et Technologies de Lille, l'Université de Provence, la Universidad Nacional de Educación a Distancia - Facultad de Educación, Madrid, l'University of Chemical Technology and Metallurgy, Sofia), 2005-2007).

TEMPUS

Guy Mélard: *Culture Entrepreneuriale/Ecoles d'Ingénieurs Marocaines*, project Tempus JEP-33139-2005, European Commission (with Ecole Nationale Supérieure d'Electronique, Informatique & Radiocommunications de Bordeaux (ENSEIRB), Ecole de Management, Bordeaux & 6 institutions from Marocco), 2006-2009.

Research Training Network (RTN)

Paola Conconi: *Transnationality of Migrants: Enduring Ties with the Home Country and Integration in the Host Country*, Programme Research Training Network (RTN), partner in the contract MRTN-CT-2006-035873, 2006-2010 (other partners: Università degli Studi di Roma Tor Vergata, Centre for Economic Policy Research (CEPR), Forum Internationale ed Europeo di Ricerche sull'Immigrazione, Institut für Arbeitsmarkt und Berufsforschung (IAB), Centro di Studi politica internazionale, London School of Economics, Université Catholique de Louvain, Université de Genève, Institut National d'Etudes Démographiques, Centro di Studi Luca D'Agliano, University College London, Hamburgisches Weltwirtschaftsinstitut, Latvijas Universitate & Università degli Studi di Torino).

Mathias Dewatripont: *European Corporate Governance Training Network (ECGTN)* (October 2004-September 2008). The coordinator and other partners are ECGI (European Corporate Governance Institute), Centre for Financial Studies (Frankfort), Università degli Studi di Genova, Katholieke Universiteit Brabant, Universiteit van Amsterdam, Centro de Estudios Monetarios y Financieros (Madrid), Stiftelsen Ostekonomiska Institutet (Stockholm), the University of Oxford, London Business School, Sabanci Universitesi (Tuzla), Eidgenoessische Technische Hochschule Zuerich, University of Alberta (Edmonton, Canada), Princeton University (USA), Yale University (USA), Universität Mannheim, Mc Graw-Hill International (London), Hermes Pensions Managements (London), Telecom Italia & Harvard College (USA).

TELEPHONE AND EMAIL DIRECTORY

Directors

Victor Ginsburgh	vginsbur@ulb.ac.be	02/650.3846
Davy Paindaveine	dpaindav@ulb.ac.be	02/650.3845/5892

Financial Director

Victor Ginsburgh	vginsbur@ulb.ac.be	02/650.3846
------------------	--------------------	-------------

ECARES Fellows

Marco Becht	mbecht@ulb.ac.be	02/650.4466
Estelle Cantillon	estelle.cantillon@ulb.ac.be	02/650.3840
Micael Castanheira	mcasta@ulb.ac.be	02/650.4467
Paola Conconi	paola.conconi@ulb.ac.be	02/650.2345
Griselda Deelstra	griselda.deelstra@ulb.ac.be	02/650.4214/5046
Catherine Dehon	cdehon@ulb.ac.be	02/650.3858
Christine De Mol	demol@ulb.ac.be	02/650.4155/5573
Bram De Rock	bram.de.rock@ulb.ac.be	02/650.4214
Mathias Dewatripont	mdewat@ulb.ac.be	02/650.4217
Marjorie Gassner	mgassner@ulb.ac.be	02/650.3843
Antonio Estache	aestache@ulb.ac.be	02/650.4319
Domenico Giannoni	dgiannon@ulb.ac.be	02/650.4221
Victor Ginsburgh	vginsbur@ulb.ac.be	02/650.3846
Marc Hallin	mhallin@ulb.ac.be	02/650.4603
Georg Kirchsteiger	gkirchst@ulb.ac.be	02/650.4212
Robert Kollmann	robert.kollmann@ulb.ac.be	02/650.4474
Patrick Legros	plegros@ulb.ac.be	02/650.4219
Guy Mélard	gmelard@ulb.ac.be	02/650.4604
Abdul Noury	anoury@ulb.ac.be	02/650.4471
Davy Paindaveine	dpaindav@ulb.ac.be	02/650.3845/5892
André Sapir	asapir@ulb.ac.be	02/650.2345
Bruno Van Pottelsberghe	bruno.vanpottelsberghe@ulb.ac.be	02/650.4602
David Veredas	dveredas@ulb.ac.be	02/650.4218
Philippe Weil	Philippe.Weil@ulb.ac.be	02/650.4220
Maurizio Zanardi	maurizio.zanardi@ulb.ac.be	02/650.3900

Visiting Professors

Julio Davila	julio.davila@univ-paris1.fr	02/650.2678
Jorge Duran	jorge.duran@ulb.ac.be	02/650.4473
Philippe Verwimp	philip.verwimp@gmail.com	02/650.2678

Post-Doctoral Researchers

Carine Peeters	carine.peeters@ulb.ac.be	02/650.4462
Riccardo Puglisi	riccardo.puglisi@gmail.com	02/650.3469
Miroslav Siman	miroslav.siman@ulb.ac.be	02/650.5950

Doctoral Researchers

Elena Arias	earias@ulb.ac.be	02/650.3861
Narcissa Balta	nbalta@ulb.ac.be	02/650.3688
Marta Banbura	mbanbura@ulb.ac.be	02/650.3841
Loïc Berger	lberger@ulb.ac.be	02/650.3955
Olivier Body	olivier.body@gmail.com	02/650.3860
Laurent Bouton	lbouton@ulb.ac.be	02/650.3356
Aida Caldera	acaldera@ulb.ac.be	02/650.4058

Paolo Casini	pcasini@ulb.ac.be	02/650.3356
Carlos Castro	ccastroi@ulb.ac.be	02/650.3375
Cedric Ceulemans	cceulema@ulb.ac.be	02/650.4058
Lorenzo Clementi	lorenzo.clementi@ulb.ac.be	02/650.3312
Cristina Conflitti	cristina.conflitti@ulb.ac.be	02/650.3375
Laura Coroneo	lcoroneo@ulb.ac.be	02/650.3375
Quentin David	q david@ulb.ac.be	02/650.3953
Gaétan De Rassenfosse	gderasse@ulb.ac.be	02/650.4605
Alice Duhaut	aduhaut@ulb.ac.be	02/650.3834
Renaud Foucart	rfoucart@ulb.ac.be	02/650.3861
Grégoire Garsous	gregoire.garsous@gmail.com	02/650.3688
Julien Gooris	julien.gooris@gmail.com	06/650.3688
Nicolas Gothelf	ngothelf@ulb.ac.be	02/650.3855
Denis Herbaux	dherbaux@ulb.ac.be	02/650.3942
Joëlle Liebermann	jlieberm@ulb.ac.be	02/650.3356
Alice Mac Cathie	amccathi@ulb.ac.be	02/650.3874
Frédéric Malherbe	fmalherb@ulb.ac.be	02/650.3312
Ksenia Panidi	kpanidi@ulb.ac.be	02/650.3860
Laura Padilla	laura.padilla@univ-tlse1.fr	02/650.3366
Alexandre Petkovic	apetkovi@ulb.ac.be	02/650.4105
Aurélie Slechten	aslechte@ulb.ac.be	02/650.3855
Hiroyuki Taniai	hiroyuki.taniai@ulb.ac.be	02/650.3373
Lydia Tsyganok	ltsygano@ulb.ac.be	02/650.4058
Thomas Verdebout	thomas.verdebout@ulb.ac.be	02/650.3436
Stefan Zeugner	stefan.zeugner@ulb.ac.be	02/650.3373

Administrative Staff

Claude Adan	cadan@ulb.ac.be	02/650.3838	Fax : 02/650.4012
Nancy De Munck	ndemunck@ulb.ac.be	02/650.3075	02/650.4475
Romy Genin	rgenin@ulb.ac.be	02/650.4138	02/650.4036

ECARES fax number : 02/650.3369

This list: 1st November 2008.

Mailing address:

Université Libre de Bruxelles – ECARES
50 avenue Franklin D. Roosevelt - CP 114
1050 Brussels, Belgium

Location:

Université Libre de Bruxelles – Campus du Solbosch
44 av. Jeanne - Building S - Levels 11 & 12

Email: ecares@ulb.ac.be

Web: www.ecares.org



European Centre for Advanced Research in Economics and Statistics
Université Libre de Bruxelles

Address:

*50 avenue Franklin D. Roosevelt
CP 114
1050 Brussels, Belgium*

Location:

*44 av. Jeanne
Building S
Levels 11 & 12*

Email: ecares@ulb.ac.be

Web: www.ecares.org



UNIVERSITÉ LIBRE DE BRUXELLES, UNIVERSITÉ D'EUROPE