

CURRICULUM VITAE

ARNAUD DUPUY

(Revised April 2020)

Professor of Economics
CREA
University of Luxembourg
6, rue Richard Coudenhove-Calergi
L-1359 Luxembourg
Tel. (+352) 46 66 44 5641
E-mail: arnaud.dupuy@uni.lu
Web:
<https://sites.google.com/site/arnauddupuyweb/home>



PERSONAL

DATE OF BIRTH: August 4, 1974

NATIONALITY: French

MARITAL STATUS: Married, one daughter (Sept. 6, 2005) and one son (Sept. 14, 2008).

EDUCATION

INSTITUTION	DEGREE	DATE
Grenoble University	MSc. (with Honours)	June, 1997
Maastricht University	Bilingual MSc.	June, 1998
Maastricht University	Ph.D.	March, 2004

TITLE OF DOCTORAL THESIS: Assignment and Substitution in the Labour Market

PROFESSIONAL EXPERIENCE

Academic

Present

2016- Professor of Economics, CREA, University of Luxembourg.
2012- Honorary Professor of Economics at Maastricht School of Management.

Past

2013-2016 Head of Labour Market Department at LISER.
2013-2015 Member of the consulting board of the SJPEG scientific department at the University of Lorraine.
2012-2013 Professor of Economics at Reims Management School.
2008-2012 Senior researcher at the Research Centre for Education and the Labour Market, ROA, Maastricht University.
2007-2010 Assistant Professor, Department of Economics, Maastricht University.
2000-2008 Researcher, ROA, Maastricht University

- 2004 Post-doc: METEOR, The Effects of HRM Practices on Labor Productivity via the Ease to Substitute Skilled and Unskilled Labor.
- 1995-1997 3 internships at the Department of Statistics and Data Analysis (LabSAD), Grenoble University, France.

International visits

- 05/17 Visiting scholar, International Monetary Fund.
- 06/16 Visiting scholar, International Monetary Fund.
- 01/15 Visiting scholar, International Monetary Fund.
- 01/11 Visiting scholar, International Monetary Fund.
- 03/09-05/09 Visiting scholar, Yale University, department of economics.
- 05/01-07/01 Visiting Graduate student, CLS, Aarhus Business School.

International consultancy and other professional duties

- 2020- Study director, 2nd year Master in economics and Finance, Quantitative track.
- 2020- Study director, 1st year Master in Economics and Finance.
- 2019-2024 Member of the Competitive Promotion panel in Finance, Economics and Management.
- 2019 Member of the recruitment committee for full professorship in applied economics.
- 2019-2020 Organiser of CREA research seminars.
- 2017- Coordinator DTU MINLAB, FNR PRIDE funding (€2,400,000).
- 2015-2017 Chair Examination Board, Maastricht School of Management.
- 2012-2013 Consultant for UNU-WIDER.
- 2012-2013 Consultant for AERC.
- 2011-2013 Consulting Editor CHREST Proceedings Series.
- 2011 Consultant for several projects commissioned by Revenue Watch Institute and the Economic Research Forum.
- 2011 Expert: Studies on Sustainability Issues – Green Jobs; Trade and Labour.
- 2010 Co-organiser of a study visit on labour market issues for a Moroccan delegation, on request of the Dutch Ministry of Social Affairs.
- 2008-2009 Project Leader: Eurostat project on Gender pay gap using structure of earnings data.
- 2008 Organiser of a study visit on labour market, education and training issues for a delegation of the Egyptian Education, Training and Employment Observatory and representatives of Egyptian ministries, employers, NGO's and the Central Statistics Agency
- 2008-2009 Consultant: NWO project of Prof. Dr. Jaap Dronkers, University of Amsterdam, on Programming Study Issues on the Educational System Level.
- 2007-2008 Project Leader: European Centre for the Development of Vocational Training (CEDEFOP): Project on Labour Market Forecasting.
- 2007 Public Policy and Management Institute in Lithuania.
- 2004-2005 Consultant: Ministry of Labour and Social Development of the Russian Federations.

FIELDS OF INTEREST

Research: labor economics, in particular, matching and hedonic models, marriage market, sports economics.

Teaching: microeconomics, labor economics (wage inequality and technical and organizational changes), applied econometrics (in particular program evaluation and treatment effects), mathematics for economists.

GRANTS

FNR PRIDE grant for Doctoral Training Unit ACROSS, (Co-applicant, €2,400,000)	2020-2026
FNR CORE grant on RUMEXP, C18/SC/12665537 (Co-PI, €347,000)	2019-2021
FNR PRIDE grant for Doctoral Training Unit MINLAB, (Co-coordinator, €2,400,000)	2017-2023
FNR CORE grant on CHILDCARE, C14/SC/8337045 (PI, €681,000)	2015-2018
NWO recognition grant (€6,000)	2011
NETSPAR grant (Co-applicant, €250,000)	2010
METEOR visiting professorship for Michael Sattinger (€1,125)	2010
Travelling grant (€1,500)	2006
Small Scale Research, On Cultural Integration and the Success of Business Mergers, (€4,000)	2004
Small Scale Research, Age-performance earnings profile, (€4,000)	2004
Post-doc grant: Innovation and Human Resources, (€20,000)	2004
Marie Curie Fellowship, (€6,000, 3-month stay at Aarhus business school)	2001
Erasmus Scholarship (one year study at Maastricht University)	1997-1998

AWARDS

Edmond Malinvaud prize: AFSE's best paper by young economists	2015
Georgescu-Roegen prize: best paper published in Southern Economic Journal	2014
Basic Teaching Qualification	2010
Fellow of Maastricht University Young Researchers Academy	2009-2012
Young Talent Invited Lecture, Dies Natalis, Maastricht University	2009
Nomination for the METEOR Excellent Young Scholar Award	2008
Nomination for the METEOR Excellent Young Scholar Award	2007
Nomination for the METEOR Excellent Young Scholar Award	2006

FELLOWSHIPS

IZA Research Fellow	2007-
NETSPAR Research Fellow	2011-2018
METEOR Research Fellow	2007-2012

PUBLICATIONS

Publications in journals

22. Estimating Matching Affinity Matrix under Low-Rank Constraints (2019), *Information and Inference: A Journal of the Institute of Mathematics and its Applications*, vol. 8(4), pp. 677–689. (Joint with Alfred Galichon and Yifei Sun)
21. The Empirical Content of Marital Surplus in Matching Models (2019), *Economics Letters*, vol. 176, pp. 51-54. (Joint with Karina Doorley and Simon Weber)
20. Retirement and Cognitive Development in the Netherlands: Are the Retired Really Inactive? (2015), in *Economics and Human Biology*, vol. 19, pp. 157-169. (with Andries de Grip, Jelle Jolles and Martin van Boxtel)
19. Hierarchical Organization and Performance Inequality: Evidence from Professional Cycling (2015), the *International Economic Review*, vol. 56 (4), pp. 1207-1236. (with Bertrand Candelon)
18. Canonical Correlation and Assortative Matching: A remark (2015), in *Annals of Economics and Statistics*, vol. 119/120, pp. 375-383. (with Alfred Galichon)
17. The Assignment of Workers to Tasks with Endogenous supply of Skills (2015), *Economica*, vol. 82 (325), pp. 24-45.
16. Personality Traits and the Marriage Market (2014), *Journal of Political Economy*, vol. 122 (6), pp. 1271-1319. (with Alfred Galichon)
Awarded the Edmond Malinvaud prize by AFSE for best paper by young economists.
15. Entropy methods for identifying hedonic models (2014), *Mathematics and Financial Economics*, vol. 8 (4), pp. 405-416. (with Alfred Galichon and Marc Henry)
Special issue in celebration of Ivar Ekeland's 70th birthday.
14. On Input Market Frictions and Estimation of Factors Demand (2014), *Southern Economic Journal*, vol. 80 (3), pp.772-82. (with Todd Sorensen)
Awarded the Georgescu-Roegen prize for the best paper published in the Southern Economic Journal.
13. Spend or Send (2012), *Finance and Development*, vol. 49 (4), pp. 28-31. (with Rabah Arezki and Alan Gelb)
12. A Microfoundation for Production Functions: Assignment of Heterogenous Workers to Heterogenous Jobs (2012), *Economica*, vol. 79 (315), pp. 534-556.
11. An Economic Model of the Evolution of the Gender Performance Ratio in Individual Sports. (2012), the *International Journal of Performance Analysis in Sport*, vol. 12(1), pp. 222-245.
10. International Differences in the Family Gap in Pay: The Role of Labor Market Institutions. (2011), *Applied Economics*, vol. 43(13), 413-438, (with Daniel Fernandez-Kranz)
9. Estimating Employment Dynamics Across Occupations and Sectors of Industry (2010), *Journal of Macroeconomics*, vol. 32 (1), pp. 17-27, (with Frank Cörvers).

8. How Large is the Compensating Wage Differential for R&D Workers? (2010), *Economics of Innovation and New Technology*, vol. 19 (5), pp. 423-36 (with Wendy Smits)
7. The Nature of Occupational Unemployment Rates in the United States: Hysteresis or Structural? (2009), *Applied Economics*, vol. 41 (19), pp. 2483-2493, (with Bertrand Candelon and Luis Gil-Alana).
6. The Assignment of Workers to Tasks, Wage Distribution and Technical Change: A Critical Review (2008), *Journal of Income Distribution*, vol. 17 (3-4), pp. 12-36.
5. Shifts and Twists in the Relative Productivity of Skilled Workers (2008), *Journal of Macroeconomics*, vol. 30 (2), pp. 715-38. (with Philip Marey)
4. Will the Skill-Premium in the Netherlands Rise the Next Decades? (2007), *Applied Economics*, 39, pp. 2723-31.
3. Hicks Neutral Technical Change Revisited: CES Production Function and Information of General Order (2006), *B.E. Journals in Macroeconomics*, 6, Article 2.
2. Elasticity of Substitution and Productivity, Capital and Skill Intensity Differences Across Firms (2006), *Economics Letters*, 90, pp. 340-7 (with Andries de Grip)
1. Supply and Demand, Allocation and Wage Inequality: An International Comparison (2005), *Applied Economics*, 37, pp. 1073-88. (with L. Borghans)

Publications in Dutch Journals

6. *Kwalificatievereisten stijgen niet overal*, 2012, Economisch Statistische Berichten, Vol. 97, p. 337. (with F. Cörvers and J. Sauermann),
5. *Hoe aantrekkelijk zijn O&O functies als startersbaan?*, 2009, In Technotopics: Essays over onderwijs en arbeidsmarkt voor bètatechnici.
4. *Welke prijs willen bètatechnici betalen voor een baan in Onderzoek & Ontwikkeling?*, 2008, In Technotopics: Essays over onderwijs en arbeidsmarkt voor bètatechnici. (with W. Smits)
3. *Wat doen ingenieurs en wat verdienen ze ermee?*, 2007, In Technotopics: Essays over onderwijs en arbeidsmarkt voor bètatechnici. (with P. Marey)
2. *Arbeidsmarktperspectief voor laagopgeleiden ongunstig*, Economisch Statistische Berichten (ESB), 29 October 2004, pp. 524-6. (with F. Cörvers, S. Dijkman, B. Golsteyn and M. Hansen)
1. *Te Weinig Kenniswerkers*, Economisch Statistische Berichten (ESB), 28 June 2002, pp. 516-518. (with P. Marey, B.J. Diephuis, S. Dijkman, B. Golsteyn)

Books

Assignment and Substitution in the Labour Market, ROA Dissertation Series, No. 4, 2004.

Work in progress

Shaking Things up. (Joint with Michel Beine, Gary Charney and Majlinda Johxe)

Extensive and Intensive Labor Supply: A Matching Model Approach. (Joint with Alfred Galichon and Marion Gousse)

The Market of CEOs in Denmark. (Joint with John Kennes and Ran Lying)

Explaining Cross-country Differences in Labor Market Polarization: the Role of Institutions. (Joint with Maxime Pettinger)

A Dynamic TU Matching Model of the Marriage Market: the Costs of Divorce. (joint with Edoardo Ciscato, Alfred Galichon, Jeremy Fox and Simon Weber)

Childcare, Quality and Location: A Hedonic Approach. (joint with Audrey Boussein and Alessio Monetti).

Selection and Performance Based Compensation in the Public Sector. (with Rabah Arezki)

Migration in China: to Work or to Wed?

Taxation in Matching Markets. (with Alfred Galichon, Sonia Jaffe and Scott Kominers)
Revision (2nd round) requested at *International Economics Review*.

A Note on the Estimation of Job Amenities and Labor Productivity. (with Alfred Galichon)
Revision (2nd round) requested at *Quantitative Economics*.

Marital Patterns and Income Inequality. (joint with Simon Weber)

TEACHING EXPERIENCE

Coordinator

(Maastricht University)

Bachelor Infonomics, ICT, Organization and Income 2007-2010

Master Human Capital and Social Deprivation 2007-2009

Master Health economics 2006

Lectures and tutorials

(University of Luxembourg)

Matching models: theory (odd years), PhD level 2017-

Matching models: applications (even years), PhD level 2016-

Job market seminars (every other year), PhD level	2016-2019
Intermediate microeconomics, Master	2019-
Econometrics III, program evaluation and heterogenous treatment effects, Master	2019-
The Economics of Sports, Master	2019-
The Economics of Wages, Bachelor	2016-2020
Matching models: Introduction, Msc in economics (Research Track)	2017-2018
Mathematiques pour gestionnaires, Bachelor	2017-2019
Mechanismes microeconomiques, Bachelor	2016-2019
(Reims Management School)	
Economics, Bachelor	2012
Economics, Sup de Co	2012
(Maastricht Management School)	
Msc, Research Methods and Skills	2014-
Msc, Econometric Evaluation of Treatment Effects	2011-2014
(IMF)	
Training Workshop on Macroeconomic Management in Natural Resource Countries in the MENA Region	2011
(Maastricht University)	
Graduate School of Governance: Econometric Evaluation of Treatment Effects	2010-2014
Master Evidence Based Social Policy	2009
Bachelor Infonomics, ICT, Organization and Income	2007-2009
Master Human Capital and Social Deprivation	2007-2009
Graduate Economics, Research Strategies in Labour Economics	2008
Bachelor International Economics, Macroeconomics	2008
Master Health economics	2006
Bachelor Health Economics	2006
Undergraduate European Labour Markets and Welfare States	2004
Undergraduate Schooling, Jobs and Wages	2001-2003
Undergraduate Macroeconomics	2000-2002
Undergraduate Economics	1999

ALUMNI

Graduate students

Supervisor

- Alessio Menotti (University of Luxembourg), Taxes, migration and matching in the labor market. (Exp. 2022)
- Maxime Pettinger (University of Luxembourg), Unions, technology and wage differentials in a task-based model. (Exp. 2021)
- Omar Rodriguez-Torres (Maastricht University), Entrepreneurship in developing countries. (Exp. 2019)

- Raquel Tsukada (Maastricht University), Labor-saving technology and household production. (November, 2016, Initial placement: Consultant at the World Bank)
- Treena Wu (Maastricht University), Income Shocks, Household Decisions and Children's Educational Attainment. (January 2011, Initial placement: National University of Singapore, Post Doc)

Reading committee

- Edoardo Ciscato (Sciences-Po Paris), Matching Models with and without Frictions: Applications to the Economics of the Family, 2019.
- Simona Murmann (University of Luxembourg, Chair), Empirical Essays on Institutional Determinants of Firm Entry and Exit, 2019.
- Simon Weber (Sciences-Po Paris), Family, Marriage Markets and Inequality: a Matching Approach, 2018.
- Clotilde Mahe (Maastricht University), Essays on Migration and Occupational Choice, 2018.
- Caroline Wehner (Maastricht University), Too Scared to Achieve? The Relation between Neuroticism, Conscientiousness and Socioeconomic Outcomes, 2018.
- Robert Bauchmuller (Maastricht University), Investing in Early Childhood Care and Education: The Impact of Quality on Inequality, 2013.
- Judith Vall Castello (Maastricht University), Business Cycle and Policy Effects of Labour Transitions of Older and Disabled Workers in Spain, 2010.
- Abraham Garcia Torres (Maastricht University), The Role of Demand in Technical Change, 2008.

Master thesis (co-) supervisor

- Paul Lanners, An investigation into nominal and real wage inequality in Luxembourg (graduated in 2013, Strasbourg) (supervisor, 15/20)
- Adrian Bouguen, Pay-as-you-work study loans: microsimulations for European countries (graduated 2009, Maastricht) (supervisor, score 9/10)
- Kathlin Torgo, Return to Education in Estonia: An Empirical Study (graduated 2006, Maastricht) (supervisor 8.5/10)
- Raoul Haenbeukers, Afschaffen AVV Principe als Wondermiddel voor Laagopgeleiden? (graduated 2006, Maastricht) (supervisor, score 8/10)
- Roel Canisuis, Is on-the-job search more effective than off-the-job search in the Netherlands? (graduated 2005, Maastricht) (supervisor, score 8/10)
- Walter Botzen, Monetary Policy and asset price bubbles (graduated 2005, Maastricht) (co-supervisor, score 9/10)
- Ewa Krasnodebska, Peso problems and the uncovered interest parity failure (graduated 2005, Maastricht) (co-supervisor, score 8.5/10)
- Marianne Aarts, Making a life instead of a living (graduated 2005, Maastricht) (co-supervisor, score 7.5/10)
- Devy Pieters, Innovation: A costly but valuable investment, Estimating the ideas production function for the EU (graduated 2005, Maastricht) (co-supervisor, score 7.5/10)
- Hendrik Heller, An empirical investigation of the effects of resume books on the transition from school to work (graduated 2004, Maastricht) (co-supervisor, score

CONFERENCE AND SEMINAR: ORGANIZATION AND PRESENTATION

Organization of conferences, workshops, sessions and seminars

(Planned) 3rd CREA-IZA joint workshop on “Exploring the Future of Work”, Luxembourg, 2019.

Workshop on “Matching on Labor and Marriage Markets”, Luxembourg, 2020.

2nd CREA-IZA joint workshop on “Exploring the Future of Work”, Bonn, 2019.

Organizer of the CREA seminars series, University of Luxembourg, 2019-.

1st CREA-IZA joint workshop on “Gravity equation in international economics”, Luxembourg, 2018.

Workshop on “Optimal policies in the market for childcare: theory and evidence”, Luxembourg, 2018.

Session titled “Rents, Risks and Incentives,” at the Society for the Advancement of Economic Theory meeting in Paris, 2013.

Session titled “On Sorting and Hedonic models,” Chaired by Jim Heckman, at the North American Winter Meeting, 2010, Atlanta GA.

Session titled “Assignment, Uncertainty and Wage Inequality,” Chaired by Luis Garicano, at the American Economic Association, 2008, New Orleans, LA.

Organiser of the Applied Economics seminars, Maastricht University, 2007-2010.

Conferences

Society for the Advancement of Economic Theory meeting in Cambridge (UK), 2015.

Conference on Optimization, Transportation and Equilibrium in Economics, Fields Institute, University of Toronto, 2014.

European meeting of the Econometric Society, Toulouse, 2014.

European Economic Association, invited session on the Econometrics of Matching models, Gothenburg, 2013.

Workshop on Matching models, Paris, fall 2012.

World Congress of Performance Analysis of Sport, 2012, Worcester.

Society of Labor Economists, 2011, 2008, 2007 and 2006.

Matching and Sorting: Theory and Applications, 2010, Paris.

North American Winter Meeting, 2010, Atlanta GA.

European Association of Labour Economists, 2012, 2009, 2004, 2003, 2002, 2001 and 1999.

American Economic Association, 2008 in New Orleans, LA.

Workshop on Labour Market Dynamic Growth 2007, Sønderborg.

CES Conference, 2006, Eltville.

North American Summer Meeting of the Econometric Society, 2006 and 2004.

Workshop on Wage Growth and Mobility, 2006 in Mannheim.

9th World Congress of the Econometric Society, 2005 in London.

European Economic Association and Econometric Society European Meeting, 2004 and 2001.

Applied Econometrics Association European Meetings, 2004 in Mons

Modelling labour market: realities and prospects, 2003.

Netherlands Network of Economics Research Day, 2003 and 2000.

Seminars

Maastricht University, Spring 2020.
University of Oslo, Fall, 2019.
University of Trier, Spring 2019.
Maastricht University, Winter 2019.
THEMA – AEEF, Cergy-Pontoise, Fall 2015.
CREA, University of Luxembourg, Spring 2015.
ECORES, Louvain-La-Neuve, Spring 2015.
CES, KU Leuven, Winter 2015.
Aix-Marseille University, Fall 2014.
ECARES, Bruxelles, Fall 2014.
Collegio Carlo-Alberto, Torino, Fall 2014.
University of Groningen, Spring 2014.
BETA, spring 2014.
CEPS, fall 2013.
CEPS, spring 2013.
University of Alicante, Alicante, 2013.
Reims Management School, Reims, 2012.
IESEG, Lille, 2012.
Paris 1, 2011.
Ecole Polytechnique, Paris, 2011 and 2010.
OFCE, Nice, 2010.
CREST, Paris, 2010.
CPB, Netherlands Bureau for Economic Policy Analysis, 2009 and 2008.
Yale University, Department of Economics, Labor and Population workshop, 2009.
State University of New York, University at Albany, 2009, 2006 and 2004.
University of Chicago, department of economics, 2006.
IZA Research Seminar, 2006.
MERIT, Maastricht University, 2004 and 2003.
CLS, Centre for Labour Market and Social Research, Aarhus Business School, 2002 and 2001.
ROA, Research Centre for Education and the Labour Market, Maastricht University, 2011, 2008, 2006, 2005, 2002, 2001, 2000 and 1999.

Discussant

Workshop on Dynamics of skills supply and demand, Maastricht, 2018.
Nestpar workshop on Human Capital and Aging, Maastricht, 2013.
IMPALLA-ESPANET International Conference on “Building blocks for an inclusive society: empirical evidence from social policy research”, Luxembourg, 2013.
InterLabs: Challenges and opportunities for the welfare states in the face of population aging, 2013, CEPS.
Conference on: Cognitive and Non-cognitive Skills over the Life-Cycle, 2011, Maastricht.
Society of Labor Economists, 2007 in Chicago, IL.
4th ZEW Conference on the Economics of Information and Communication Technologies, 2004, Mannheim.
Skills Measurement and Economic Analysis: An international Conference, 2000, Canterbury.

REFEREEING

Econometrica, Journal of Political Economy, Review of Economic Studies, Economic Journal, Journal of Business and Economic Statistics, Quantitative Economics, Journal of Applied Econometrics, Journal of Economic Dynamics and Control, Journal of the European Economic Association, Journal of Human Resources, Applied Economics, Applied Financial Economics, BE Journals in Macroeconomics, CUNY Grants Proposal, Economic Inquiry, Economic Theory, Economica, Economics of Innovation and New Technology, Empirical Economics, European Journal of Operational Research, Games and Economic Behavior, Industrial and Corporate Change, Information Economics and Policy, International Journal of Sport Finance, Journal of Economic Inequality, Journal of Economics, Journal of Income Distribution, Journal of Institutional and Theoretical Economics, Journal of the Japanese and International Economies, Journal of Labor Research, Journal of Productivity Analysis, Journal of the Royal Statistical Society, Labour: Review of Labour Economics and Industrial Relations, Labour Economics, Review of Economics of the Household, Scandinavian Journal of Economics, Small Business Economics and NWO MAGW grants 2010, FWO research grants 2015, 2018.

LANGUAGES

Language	<i>Speaking</i>	<i>Writing</i>
French	Native	Native
English	Fluent	Fluent
Dutch	Fluent	Good
German	Basic	-

COMPUTER SKILLS

Progammimg Stata, Matlab, Mathematica, GAUSS, and C++.
Others LaTeX, Scientific Workplace and Microsoft Office.