

CORE

ANNUAL REPORT

2021- 2022

Econometrics



Operations research



Economics



Quantitative
geography



Table of Content

• PRESENTATION	3
• IN MEMORIAM OF JACQUES DREZE	4
• PEOPLE	6
• ACHIEVEMENTS & RECOGNITIONS	13
• RESEARCH TOPICS	14
• JUNIOR RESEARCHERS	42
• SCIENTIFIC EXCHANGES & VISITORS	51
• FUNDINGS	57



Presentation



The founding father has left. Useless to say, the main event of the 2021-2022 academic year has been the death of Jacques Drèze. He was 93. At this sad occasion, many have sent us nice words about Jacques, and a few days after his passing, we held a moving online event in which many friends, colleagues or coauthors have shared anecdotes, memories, and thoughts about Jacques and all what he accomplished. This report begins with two pages in memoriam of Jacques, in which you will find links to messages that were written about Jacques, including tributes published by the scientific societies of which he had been a president or a member. I dare to suggest to those among our readers who knew him least to spend some time learning about Jacques' tremendous impact on research at CORE, in Belgium, in Europe and elsewhere.

This report is also the first one in which the name of Francesca Monti appears. Francesca joined us from King's College and the Bank of England in Fall 2021. A research affiliate to the CEPR, Francesca develops her research in macroeconomics and monetary economics, with a particular attention on behavioral aspects of the reactions to policies, such as the heterogeneity of beliefs and expectations. Francesca is active on both theoretical and empirical questions.

The year 2021-2022 has also been the last year at CORE of a few of us, especially PhD students and post-doctoral fellows, but I need to add that Catherine Germain has retired last year. As Catherine was in charge of welcoming our visitors (among many other tasks), many of you know her. On behalf of all visitors and CORE members, I thank her for her dedication and excellent work during those many years.

This leads me to mention that after two years of isolation, we welcome visitors again, as mentioned at the end of the report, and we hope and plan to welcome more in the next few years.

We report below on our main activities of the year, with an emphasis on publications. As you will read, the topics on which we write are broad. They are stable across time, and they range from pure theory to applied, empirical and experimental works. I would like to draw (again) your attention on the many interventions of CORE members in media that are reported here. It has become a heavy trend these last years that CORE members share their expertise with the public on a large variety of topics and through a large variety of medias.

Following on efforts by CORE members to share expertise, it's my great pleasure to underline the publication of *The Economics of Platforms: Concepts and Strategy*, by Paul Belleflamme and Martin Peitz, at Cambridge University Press. This text is the first to offer a systematic and formalized account of what digital platforms such as Alibaba, Alphabet, Amazon, Facebook, Netflix, Tencent and Uber, are and how they operate.

Again, and despite the sometimes-difficult circumstances of the last few years, CORE endeavors to offer an environment in which researchers can express their full potential for the development of science and the good of society. I take this opportunity to thank all researchers and staff members of CORE for their tremendous contributions to making CORE such a center of scientific excellence.

I wish you all a pleasant reading.

In Memoriam of Jacques Drèze



Photo © Rossel & Cie, Bruno d'Alimonte, Le Soir.

Dear colleagues,

It is with the greatest sadness that we learned that Jacques Drèze passed away on the evening of the 25th September, at age 93. Emeritus professor, he was the founder of CORE and its first president in 1966, as well as founding member of the European Economic Association and the European Doctoral Program in Quantitative Economics, among others. Jacques has collaborated during his extraordinary career with the greatest names of the 20th century in economics, including numerous Nobel Laureates. He leaves lasting scientific contributions to general equilibrium, decision theory, game theory, econometrics, and later macroeconomics and economic policy. He also supervised more than 20 PhD thesis.

Jacques Drèze had remained very active after his early retirement from teaching in 1989, still publishing dozens of scientific papers. He sailed around the world with his wife in the 1990's. As recently as 2016, he gave a two-days lecture to a packed room as part of our CORE Lecture Series. He could still be regularly seen in the corridors of CV09. We all lost a true mentor and great friend.

We send our condolences to his wife Monique and his family,

Regards,

Catherine Legrand
President of LIDAM

Mathieu Van Vyve
President of CORE

In Memoriam of Jacques Drèze



MEDIA and VIDEOS

- From uncertainty to macroeconomics and back: an interview with Jacques Drèze / Pierre Dehez & Omar Licandro
In: Macroeconomic Dynamics, 2005, vol. 9, p. 429-46
- Belgische topeconoom Jacques Drèze overleden - De Tijd, 26/09/2022
- La Belgique perd l'un de ses plus grands économistes, Jacques Drèze - Le Soir, 27/09/2022
- L'économiste Jacques Drèze est décédé - La Libre, 27/09/2022
- Hij was de grootste Belgische econoom ooit - De Standaard, 28/09/2022
- On aurait besoin d'un Jacques Drèze dans cette crise - L'Echo, 02/10/2022
- Jacques Drèze, 1929-2022 - Knack, 05/10/2022
- Tribute to former Econometric Society President Jacques Drèze
- Jacques Drèze, First President of EEA - European Economic Association
- The EUI mourns the loss of Jacques Drèze - European University Institute
- Le monde de l'économie rend hommage à Jacques Drèze - UCLouvain
- A video from Bob Aumann
- Video "Remembering Jacques Drèze" (Recording Zoom Meeting)



- Curriculum vitae
- DIAL bibliography of Jacques Drèze

People

CORE TEAM | DIRECTORY



Mathieu Van Vyve

President

+ 32 (0)10 47 81 61

mathieu.vanyve@uclouvain.be



François Maniquet

Research Director

+32 (0)10 47 43 28

francois.maniquet@uclouvain.be



Nancy Guillaume

Administrative Coordinator

+32 (0)10 47 43 54

nancy.guillaume@uclouvain.be

CORE TEAM | Faculty members



Per Agrell
Prof. of Operations
Research



Paul Belleflamme
Prof. of Economics



Constantin Blome
Prof. of Operations
Research



Thierry Bréchet †



Daniele Catanzaro
Prof. of Operations
Research



Philippe Chevalier
Prof. of Operations
Research



François Glineur
Prof. of Operations
Research



Jean Hindriks
Prof. of Economics



Johannes Johnen
Prof. of Economics



Bart Jourquin
Prof. of Operations Research



Philipp Kircher
Prof. of Economics



François Maniquet
Prof. of Economics



Ana Mauleon
Prof. of Economics



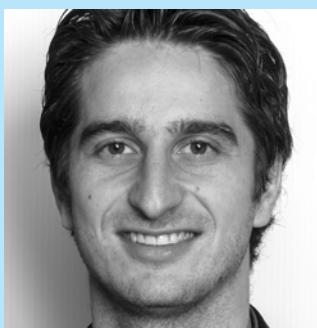
Francesca Monti
Prof. of Economics



Yurii Nesterov
Prof. of Operations
Research



Amma Panin
Prof. of Economics



**Anthony
Papavasiliou**
Prof. of Operations
Research



**Jean-Sébastien
Tancrez**
Prof. of Operations Research



Isabelle Thomas
Prof. of Geography



**Sébastien
Van Bellegem**
Prof. of Econometrics



**Vincent
Vannetelbosch**
Prof. of Economics

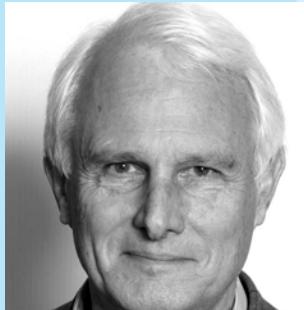


Mathieu Van Vyve
Prof. of Operations
Research

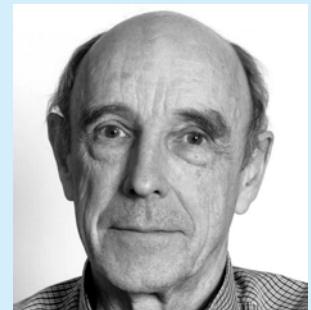
CORE TEAM | EMERITI



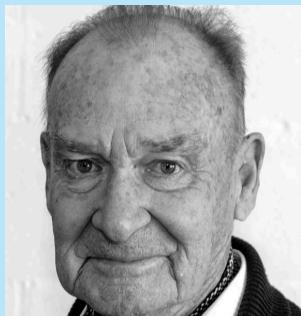
Luc Bauwens
Prof. of Econometrics



Claude d'Aspremont
Prof. of Economics



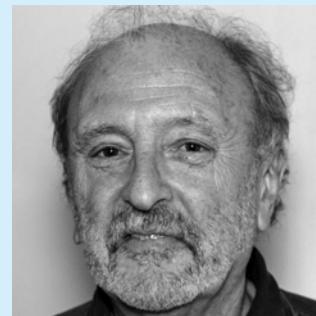
Pierre Dehez
Prof. of Economics



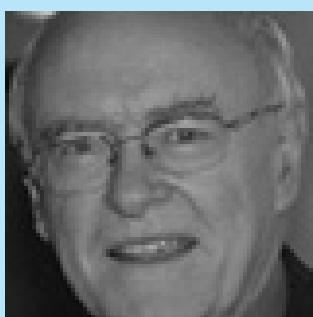
Jacques Drèze †
Prof. of Economics



Jean J. Gabszewicz
Prof. of Economics



Victor Ginsburgh
Prof. of Economics



Etienne Loute
Prof. of Operations
Research



Michel Mouchart
Prof. of Econometrics



Dominique Peeters
Prof. of Geography



Pierre Pestieau

Prof. of Economics



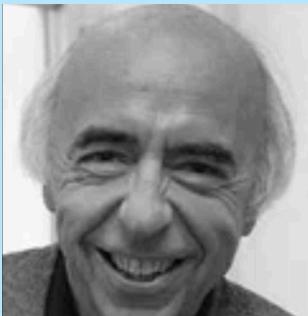
Léopold Simar

Prof. of Econometrics



Yves Smeers

Prof. of Operations Research



Jacques-François Thisse

Prof. of Economics



Henry Tulkens

Prof. of Economics



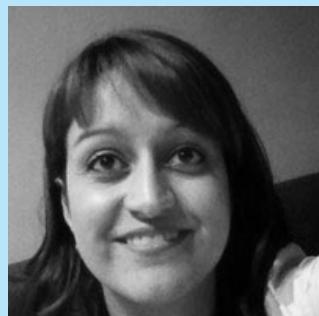
Laurence Wolsey

Prof. of Operations Research

CORE TEAM | STAFF



Ariane Bastin
Communication officer



Séverine De Visscher
Administrative assistant



Catherine Germain
Administrative Assistant



Alain Gillis
Librarian



Marie Gonze
Administrative Assistant



Nancy Guillaume
Administrative Coordinator



Fabienne Henry
Administrative assistant



Margaux Hubin
Accountant



Monique Tanga
Research Officer



Nathalie Vanhumbeeck
Administrative assistant

CORRESPONDING MEMBERS

Corresponding members are researchers and faculty members from outside UCLouvain who are contributing to the CORE scientific environment and domains of expertise and who mention a CORE affiliation. CORE can count on their precious support and we thank them all for it.



Daniel De Wolf

Université du Littoral et
de la Côte d'Opale,
France



Chenghong Luo

Shanghai University of
International Business and
Economics,
Shanghai, China



Valério Serse

Compass Lexecon
Belgium



Joe Tharakan

University of Liège
Belgium



Achievements & Recognitions

Prizes and Awards

Energy

Ignacio ARAVENA, Quentin LETE, Anthony PAPAVASILIOU, Yves SMEERS

Runner-Up for ENRE 2021 Best Publication Award in Energy
Transmission Capacity Allocation in Zonal Electricity Markets

Anthony Papavasiliou receives the Bodossaki Distinguished Young Scientist Award, 2021
Distinction awarded by the Bodossaki foundation to a young Greek scientist up to 40 years of age for their commitment and effort to excel in their scientific field, as well as their dedication to serve as role models for the younger generations and the Greek society as a whole

Topics

TOPICS



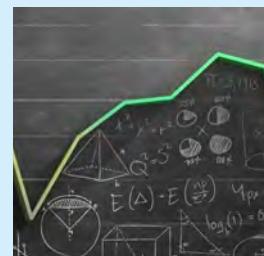
Behavioral Economics



Big Data



Digital Economics



Econometrics



Education



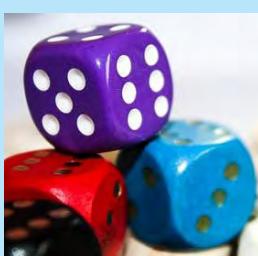
Energy



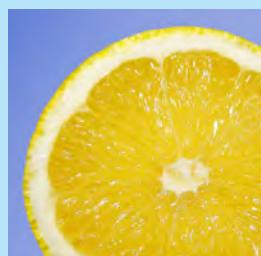
Environmental Economics



Financial Economics



Game Theory



Health



Industrial Organisation



Mathematical Optimization



Macroeconomics



Microeconomics Theory



Pension



Public Economic Theory

Topics

TOPICS



Regional &
Geographical Sciences



Social Choice &
Welfare
Economics



Supply Chain



Transport
Economics



Miscellaneous



TOPICS | Behavioral Economics

CORE Reprint

3187. The only Dance in Town: Unique Equilibrium in a Generalized Model of Price Competition. "The Journal of Industrial Economics" - Vol. 69, no.3, p. 595-614 (2021) **Johannes Johnen**

CORE Discussion Papers

2021/14. Lock-In Effects in Online Labor Markets **Fabrizio Ciotti**, Lars Hornuf, Eliza Stenzhorn

2021/24. The globalizability of temporal discounting.
Kai Ruggeri, **Amma Panin**, Eduardo García-Garzon, e.a.

2021/25. Field Experiments in the Global South: Assessing Risks, Localizing Benefits, and Addressing Positionality.
Biz Herman, **Amma Panin**, Nicholas Owlsley, e.a.

2022/17. Distracted from Comparison: Product Design and Advertisement with Limited Attention.
Johannes Johnen, Benson Tsz Kin Leung

2022/19. Deceptive Features on Platforms.
Johannes Johnen, Robert Somogyi

Prizes and Awards

Amma Panin receives a CDR and an Early Career Grant from the International Growth Center



TOPICS | Big Data

CORE Reprint

3188. The Incidence of VAT Reforms in Electricity Markets: Evidence from Belgium.
"International Journal of Industrial Organization" - (2021) **Jean Hindriks, Valerio Serse**

CORE Discussion Paper

2022 / 05. How do retailers compete on price promotions? Evidence from a temporary promotion ban in Belgium
Jean Hindriks, Leonardo Madio, Valerio Serse



TOPICS | Digital Economics

CORE Reprints

3185. The Economics of Platforms: Concepts and Strategy.
Cambridge University Press, **Paul Belleflamme**, Martin Peitz

3191 The tension between market shares and profit under platform competition.
"International Journal of Industrial Organization" - (2022) **Paul Belleflamme**, Martin Peitz, Eric Toulemonde

CORE Discussion Paper

2021/14. Lock-In Effects in Online Labor Markets
Fabrizio Ciotti, Lars Hornuf, Eliza Stenzhorn

Media

16/10: **Paul Belleflamme** - Moustique: Donnez vos données

25/11: **Paul Belleflamme** - Bel RTL: Uberisation de la société : Partie 1 | Partie 2

07/02: **Paul Belleflamme** - LN24: La Question de la Matinale: "Et si Facebook disparaissait?"

15/04: **Paul Belleflamme** - Vivacité: Le montant de la commission que projette Meta pour vendre des articles sur leur Multivers fâche les commerçants

04/05: **Paul Belleflamme** - RTBF : Omegle, le chat vidéo prisé par les jeunes mais aussi par les prédateurs sexuels: des victimes en Belgique aussi

09/05: **Paul Belleflamme** - Ciné Télé Revue: Offre gratuite de la RTBF : «Cela menace la survie de la presse quotidienne»

09/05: **Paul Belleflamme** - Grenz Echo: Schriftliches Angebot der RTBF laut Studie unlauterer Wettbewer

09/05: **Paul Belleflamme** - SudInfo.be: La RTBF menace la survie de la presse quotidienne

09/05: **Paul Belleflamme** - DH.net: Les éditeurs de presse dénoncent la "concurrence déloyale" de la RTBF

09/05: **Paul Belleflamme** - L'Avenir: Face à la RTBF, la presse écrite fourbit ses armes

09/05: **Paul Belleflamme** - L'Echo: La RTBF menace-t-elle la survie de la presse quotidienne?

09/05: **Paul Belleflamme** - La Libre: La RTBF livre une concurrence déloyale à la presse quotidienne

09/05: **Paul Belleflamme** - Le Soir: L'offre écrite de la RTBF détruit le marché de la presse

INFOS

The “**Chair in Digital Economics**” is based at UCLouvain and held by **Prof. Paul Belleflamme**.

Founded in June 2020, it acts as the interface between UCLouvain, Sponsors and DERN.

BOOK

Paul Belleflamme and Martin Peitz

The economics of platforms : concepts and strategy

Cambridge University Press, 2021



TOPICS | Econometrics



CORE Reprint

3202. Modeling Realized Covariance Matrices: A Class of Hadamard Exponential Models.
"Journal of Financial Econometrics" - , p. nbac007 (2022) **Luc Bauwens**, Edoardo Otranto

CORE Discussion Paper

2022/16. We modeled long memory with just one lag!
Luc Bauwens, Guillaume Chevillon, Sébastien Laurent



TOPICS | Education

Media

11/09: **Jean Hindriks** - l'Echo: La formation en entreprise, un avantage pour quelques privilégiés.

09/11: **Jacques Thisse** - LN24: Le télétravail est-il en passe de devenir la norme ?

16/11: **Jacques Thisse** - L'Echo: Le télétravailleur acceptera de faire un plus long trajet

16/11: **Jacques Thisse** - Le Soir: Les dix avantages et les dix inconvénients du télétravail

20/01: **Jean Hindriks** - Le Vif : En Belgique, on préfère agir à la grosse louche

23/04: **Per Agrell** - Le Soir: Les étudiants ne cessent de nous challenger



TOPICS | Energy

CORE Reprints

3178. Parallel and Distributed Computing for Stochastic Dual Dynamic Programming.
"Computational Management Science" - (2021) **D. Ávila, A. Papavasiliou, N. Löhndorf**

3188. The Incidence of VAT Reforms in Electricity Markets: Evidence from Belgium.
"International Journal of Industrial Organization" - (2021) **Jean Hindriks, Valerio Serse.**

3190. Multi-Area Reserve Dimensioning using Chance-Constrained Optimization.
"IEEE Transactions on Power Systems" - (2022) **Anthony Papavasiliou, Alberte Bouso, Senad Apelfröjd, Ellika Wik, Thomas Gueuning, Yves Langer.**

3196. Application of the Level Method for Computing Locational Convex Hull Prices.
"IEEE Transactions on Power Systems" - Vol. 37, no. 5, p. 3958-3968 (2022)
Nicolas Stevens, **Anthony Papavasiliou.**

3198. Calibration of Operating Reserve Demand Curves using Monte Carlo Simulations.
"2022 IEEE Power & Energy Society General Meeting", Denver, Colorado, USA (du 17/07/2022 au 21/07/2022)
Jacques Cartuyvels, Anthony Papavasiliou.

3201. An analysis of zonal electricity pricing from a long-term perspective.
"Energy Economics" - (2022) **Quentin Lété, Yves Smeers, Anthony Papavasiliou.**

3204. The role of service charges in the application of priority service pricing.
"Energy Systems" - (2021) **Céline Gérard, Anthony Papavasiliou.**

3205. Comparison of Priority Service with Multilevel Demand Subscription.
"IEEE Transactions on Smart Grid" - (2022) **Céline Gérard, Daniel Ávila, Yuting Mou, Anthony Papavasiliou, Philippe Chevalier.**

3208. Calibration of Operating Reserve Demand Curves Using a System Operation Simulator.
"IEEE Transactions on Power Systems" - (2022) **Jacques Cartuyvels, Anthony Papavasiliou**

CORE Discussion Papers

2022/02. Application of the Level Method for Computing Locational Convex Hull Prices. Nicolas Stevens, **Anthony Papavasiliou**

2022/09. Calibration of Operating Reserve Demand Curves using Monte Carlo Simulations
Jacques Cartuyvels, Anthony Papavasiliou

2022/18. A Branch-and-Cut Algorithm for Chance-Constrained Multi-Area Reserve Sizing.
Jehum Cho, **Anthony Papavasiliou**

MEDIA

29/09: **Jean Hindriks** - Le Vif - l'Express: La hausse actuelle des prix de l'énergie anticipe la transition écologique

Anthony Papavasiliou - Impactalk : Anthony Papavasiliou: A sensitive explorer of the world energy

13/01: **Jean Hindriks** - LN 24 [interview à 45 min.] : Factures d'énergie : que faire ?

13/01: **Jean Hindriks** - Le Soir: < Les revenus les plus bas sont davantage affectés par la hausse des prix de

l'énergie 13/01: **Jean Hindriks** - Le Soir >Prix de l'énergie: la classe moyenne se tourne de plus en vers les CPAS

25/01: **Jean Hindriks** - L'Echo: Facture énergétique: une TVA sociale ou le cliquet inversé pour soulager les

ménages

26/01: **Jean Hindriks** - La Libre ECO: Quelles solutions face à la flambée des prix de l'énergie? "Une indexation des salaires à l'aveugle et idiote n'est pas une solution"

29/01: **Jean Hindriks** - La Libre ECO: TVA et énergie : la mauvaise réponse du politique

PRISES

Ignacio ARAVENA, **Quentin LETE, Anthony PAPAVASILIOU, Yves SMEERS**

Runner-Up for ENRE 2021 Best Publication Award in Energy

Transmission Capacity Allocation in Zonal Electricity Markets

TOPICS | Environmental Economics



CORE Discussion Papers

2021/30. A multimodal transport model to evaluate transport policies in the North of France M. Kilani, N. Diop, **Daniel De Wolf**

2022/10. A tribute to Thierry Bréchet, an economist of the environment and of the public interest
Henry Tulkens, Kirill Borissov, Johan Eyckmans, Stéphane Lambrecht, Pierre M. Picard, Tsvetomir Tsachev, Vladimir Veliov

2022/11. Environmental impacts of enlarging electric vehicles market share
Daniel De Wolf, Ngagne Diop, Moez Kilani

2022/12. Do PTAs with environmental provisions reduce GHG emissions? Distinguishing the effectiveness of climate-related provisions.
Zakaria Sorgho, **Joe Tharakkan**

CORE Reprint

3197. A Multimodal Transport Model to Evaluate Transport Policies in the North of France.
"Sustainability" - Vol. 14, no. 3, p. 1535 (2022). Moez Kilani, Ngagne Diop, **Daniel De Wolf**



TOPICS | Game Theory



CORE Reprints

3132. Chenghong Luo, Ana Mauleon, Vincent Vannetelbosch. Network formation with myopic and farsighted players. Economic Theory, 2020.

3133 Ana Mauleon, Simon Schopohl, Vincent Vannetelbosch. Competition for leadership in teams. Journal of Economic Behavior & Organization, 177, 19-33, 2020.

3139. Herings, P.Jean-Jacques; **Mauleon, Ana; Vannetelbosch, Vincent.** Matching with myopic and farsighted players. Journal of Economic Theory, , no.190 , p. 27 (2020).

3147. A bargaining set for roommate problems. Journal of Mathematical Economics, 2021, vol. 94, 102465. Atay, Ata; **Mauleon, Ana; Vannetelbosch, Vincent.**

3167. Horizon-K Farsightedness in Criminal Networks. Games, 2021, 12(3), 56. Herings, Jean-Jacques ; **Mauleon, Ana ; Vannetelbosch, Vincent.**

3171. Shadow links. Journal of Economic Theory, 2021, vol. 197, 105325. Foerster, Manuel ; **Mauleon, Ana; Vannetelbosch, Vincent.**

3193. Competitive uncapacitated lot-sizing game. "International Journal of Production Economics" - Vol. 204, p. 148-159 (2018). Margarida Carvalho, João Pedro Pedroso, Claudio Telha, **Mathieu Van Vyve**

3194. A Sequential Stackelberg Game for Dynamic Inspection Problems Cristobal Guzman, Javiera Riffo, Claudio Telha, **Mathieu Van Vyve** "European Journal of Operational Research" - (2022)

3207. Coalition-proof stable networks. "Review of Economic Design" - Vol. 26, p. 185-209 (2022) **Chenghong Luo, Ana Mauleon, Vincent Vannetelbosch**

CORE Discussion Papers

2021/12. Minimally Farsighted Unstable Networks. Pierre de Callatay, **Ana Mauleon, Vincent Vannetelbosch**

2021/13. International enforcement cooperation and leadership against profit shifting.
Xuyang Chen, Jean Hindriks

2021/16. 1-convex transferable utility games, a reappraisal
Pierre Dehez

2021/17. Social Rationalizability with Mediation
P. Jean-Jacques Herings, **Ana Mauleon, Vincent Vannetelbosch.**

2021/36. A Sequential Stackelberg Game for Dynamic Inspection Problems
Cristobal Guzman, Javiera Riffo, Claudio Telha, **Mathieu Van Vyve.**

2022/20. Key players in bullying networks
Ata Atay, **Ana Mauleon, Simon Schopohl, Vincent Vannetelbosch.**

2022/21. Friendship networks with farsighted agents.
Chenghong Luo, Ana Mauleon, Vincent Vannetelbosch



TOPICS | Health

CORE Reprint

3195. Old age or dependence. Which social insurance?
Yukihiro Nishimura, **Pierre Pestieau**

CORE Discussion Papers

2021/34. An economic model of the Covid-19 pandemic with young and old agents: Behavior, testing and policies.
Luiz Brotherhood, **Philipp Kircher**, Cezar Santos, Michele Tertilt

2022/06. Nursing Homes and Mortality in Europe: Uncertain Causality
Xavier Flawinne, Mathieu Lefebvre, Sergio Perelman, **Pierre Pestieau**, Jerome Schoenmaeckers

Media

15/11: **Jacques Thisse** - L'Echo: Les économistes tirent les leçons de la pandémie



TOPICS | Industrial Organisation

CORE Reprints

3185. The Economics of Platforms : Concepts and Strategy.
Cambridge University Press. **Paul Belleflamme**, Martin Peitz

3187. The only Dance in Town: Unique Equilibrium in a Generalized Model of Price Competition.
"The Journal of Industrial Economics" - Vol. 69, no.3, p. 595-614 (2021). **Johannes Johnen**, David Ronayne

3188. The Incidence of VAT Reforms in Electricity Markets: Evidence from Belgium.
"International Journal of Industrial Organization" - (2021). **Jean Hindriks, Valerio Serse**

3191. The tension between market shares and profit under platform competition.
"International Journal of Industrial Organization" - (2022). **Paul Belleflamme**, Martin Peitz, Eric Toulemonde

CORE Discussion Papers

2021/14. Lock-In Effects in Online Labor Markets **Fabrizio Ciotti**, Lars Hornuf, Eliza Stenzhorn

2021/32. No-Challenge Clauses in Patent Licensing - Blessing or Curse?
Benno Buehler, Matthias Hunold, **Frank Schlüter**

2022/03. Supply Contracts under Partial Forward Ownership.
Matthias Hunold, **Frank Schlüter**

2022/05. How do retailers compete on price promotions? Evidence from a temporary promotion ban in Belgium.
Jean Hindriks, Leonardo Madio, Valerio Serse

2022/17. Distracted from Comparison: Product Design and Advertisement with Limited Attention.
Johannes Johnen, Benson Tsz Kin Leung



TOPICS | Mathematical Optimization

CORE Reprints

3178. Parallel and Distributed Computing for Stochastic Dual Dynamic Programming.
"Computational Management Science" - (2021). **D. Ávila, A. Papavasiliou**, N. Löhndorf

3179. On reachability of Markov chains: A long-run average approach.
"IEEE Transactions on Automatic Control" - (2021). M. Junca, **D. Ávila**

3190. Multi-Area Reserve Dimensioning using Chance-Constrained Optimization.
"IEEE Transactions on Power Systems" - (2022).
Anthony Papavasiliou, Alberte Bouso, Senad Apelfröjd, Ellika Wik, Thomas Gueuning, Yves Langer

3192. Securely Solving Classical Network Flow Problems.
"Information Security and Cryptology - ICISC 2014"- p. 205-221
Abdelrahman Aly, **Mathieu Van Vyve**

3193. Competitive uncapacitated lot-sizing game.
"International Journal of Production Economics" - Vol. 204, p. 148-159 (2018)
Margarida Carvalho, João Pedro Pedroso, Claudio Telha, **Mathieu Van Vyve**

3196. Application of the Level Method for Computing Locational Convex Hull Prices.
"IEEE Transactions on Power Systems" - Vol. 37, no. 5, p. 3958-3968 (2022)
Nicolas Stevens, **Anthony Papavasiliou**

3208. Calibration of Operating Reserve Demand Curves Using a System Operation Simulator.
"IEEE Transactions on Power Systems" - (2022)
Jacques Cartuyvels, Anthony Papavasiliou

CORE Discussion Papers

2021/18. On the exact separation of cover inequalities of maximum-depth
Daniele Catanzaro, Stefano Coniglio, Fabio Furini

2021/19. Job Scheduling under Time-of-Use Energy Tariffs for Sustainable Manufacturing: A Survey. **Daniele Catanzaro**, Raffaele Pesenti, Roberto Ronco

2021/20. On the approximability of the Fixed-Tree Balanced Minimum Evolution Problem.
Martin Frohn

2021/22. A New Fast and Accurate Heuristic for the Automatic Scene Detection Problem
Daniele Catanzaro, Raffaele Pesenti, Roberto Ronco.

2021/23. A Massively Parallel Exact Solution Algorithm for the Balanced Minimum Evolution Problem
Daniele Catanzaro, Martin Frohn, Raffaele Pesenti.

2021/26. On Numerical Stability and Statistical Consistency of the Balanced Minimum Evolution Problem.
Daniele Catanzaro, Martin Frohn, Raffaele Pesenti.

2021/27. A Tutorial on the Balanced Minimum Evolution Problem. **Daniele Catanzaro**, Martin Frohn, Olivier Gascuel, Raffaele Pesenti.

2021/36. A Sequential Stackelberg Game for Dynamic Inspection Problems
Cristobal Guzman, Javiera Riffo, Claudio Telha, **Mathieu Van Vyve**.

2022/01. Quartic Regularity
Yurii Nesterov.

2022/02. Application of the Level Method for Computing Locational Convex Hull Prices.
Nicolas Stevens, **Anthony Papavasiliou**.

2022/15. Set-Limited Functions and Polynomial-Time Interior-Point Methods.
Yurii Nesterov.

2022/18. A Branch-and-Cut Algorithm for Chance-Constrained Multi-Area Reserve Sizing.
Jehum Cho, **Anthony Papavasiliou**

TOPICS | Macroeconomics



CORE Discussion Paper

2021/33. Cheap Talk Messages for Market Design: Theory and Evidence from a Labor Market with Directed.
John J. Horton, Ramesh Johari, **Philipp Kircher**

TOPICS | Microeconomic Theory



CORE Discussion Papers

2021/35. Eliciting time preferences when income and consumption vary: Theory, validation & application to job search.

Michele Belot, **Philipp Kircher**, Paul Muller



TOPICS | Pension

CORE Reprint

3203. Une pension légale sous forme d'un compte pension.
"Regards économiques" - , no. Focus 28 (2022)
Pierre Devolder, **Jean Hindriks**

CORE Discussion Paper

2022/08. Intergenerational consequences of pension reforms: Tension between democracy and equality
Arno Baurin, Jean Hindriks

Media

- 01/09: **Jean Hindriks** - l'Echo :Les cinq enjeux de la réforme des pensions
- 03/09: **Jean Hindriks** - l'Echo :La réforme des pensions inquiète plus qu'elle ne rassure
- 03/09: **Jean Hindriks** - la Libre Eco: Pourquoi la réforme des pensions proposée par Karine Lalieux fait grincer des dents: les 7 points clés du projet
- 03/09: **Jean Hindriks** - l'Avenir Pensions : plus de justice, et puis ?
- 04/09: **Jean Hindriks** - l'Avenir: On ne s'attaque pas au problème structurel
- 04/09: **Jean Hindriks** - le Soir:Les injustices sont réduites, mais le financement n'est pas assuré
- 06/09: **Jean Hindriks** - l'Echo:Au chevet du travail pour atteindre 80% de taux d'emploi
- 07/09: **Jean Hindriks** - RTBF info/QR l'actu:La pension à 67 ans, c'est irréversible
- 05/11: **Jean Hindriks** - La Meuse: Le Belge veut arrêter de bosser à 63 ans et 4 mois
- 18/11: **Jean Hindriks** - Pierre Devolder - Trends Tendances: Un "compte pension" individuel, clair et transparent, l'idée séduisante de deux chercheurs belges
- 31/01: **Jean Hindriks** - RTBF QR l'Actu: Le Montant de nos pensions
- 02/02: Pierre Devolder & **Jean Hindriks**- RTBF QR le débat [à 5 min.] : Pension ou dépression ?
- 02/02: Pierre Devolder & **Jean Hindriks**- RTBF QR le débat : Réforme des pensions : quels montants en fin de carrière ?

MEDIA

03/02: Pierre Devolder & **Jean Hindriks**- Sud Presse : Le compte individuel pension de deux profs de l'UCLouvain harmonise tous les régimes

03/02: Pierre Devolder & **Jean Hindriks**- L'Echo : Un compte pension, la solution pour un système clair et plus sûr ?

08/02: **Jean Hindriks** - Le Vif: Trois questions à Jean Hindriks (Economics School of Louvain) sur la réforme des pensions: "Des efforts pour les indépendants et un système à sauvegarder"

10/02: **Jean Hindriks** - Trends Tendances: Des efforts pour les pensions des indépendants et un système à sauvegarder

24/08: **Arno Baurin / Jean Hindriks** - Le Soir: Le coût de la non-réforme des pension



TOPICS | Public Economic Theory

CORE Reprints

3180. Populism and Social Polarization in European Democracies.

"CES-IFO Economic Studies" - , no.ifab006, p. 1-32 (2021). **Victor Ginsburgh**, Sergio Perelman, **Pierre Pestieau**

3181. Optimal lockdown and social welfare.

"Journal of Population Economics" - Vol. 35, p. 241-268 (2022)

Pierre Pestieau, Gregory Ponthiere

3182. Age-related taxation of bequests in the presence of a dependency risk.

"Journal of Public Economic Theory" - (2021). **Pierre Pestieau**, Marie-Louise Leroux

3183. Goriot et Lear : quel gâchis !

"Quand l'économie nous est contée"- p. 173-180 . **Pierre Pestieau**

3184. Premature deaths, accidental bequests and fairness.

"The Scandinavian journal of economics" - Vol. 124, no. 3, p. 709-743 (2022).

Marc Fleurbaey, Marie-Louise Leroux, **Pierre Pestieau**, Gregory Ponthiere, Stéphane Zuber

3186. La panne de l'ascenseur social.

"Commentaire" - Vol. 2021/4, no.176, p. 807 à 812 (2021). **Pierre Pestieau**.

3189. An Annual Wealth Tax: Pros and Cons.

"Finanzarchiv" - (2021). Robin Broadway, **Pierre Pestieau**

3195. Old age or dependence. Which social insurance?

Yukihiro Nishimura, **Pierre Pestieau**

3206. The Public Economics of Changing Longevity.

Cambridge University Press. **Pierre Pestieau**

CORE Discussion Papers

2021/15. Blood and Gender Bias in Informal Care within the Family?Chiara Canta, **Pierre Pestieau**, Jérôme Schoenmaekers

2021/21. Multidimensional poverty measurement and preferences.

François Maniquet

2022/04. The economics of long-term care. An overview

Justina Klimaviciute, **Pierre Pestieau**

2022/07. The Wealth Tax and the Tax Mix

Robin Broadway, **Pierre Pestieau**

2022/13. The Compliance Dilemma of the Global Minimum Tax **Jean Hindriks**, Yukihiro Nishimura

2022/22. The optimal design of assisted reproductive technologies policies

Marie-Louise Leroux, **Pierre Pestieau**, Gregory Ponthiere

MEDIA

20/09: **Jean Hindriks** - L'Echo: Fin de la TVA à 6% dans l'Horeca

16/10: **Jean Hindriks** - La Meuse: Voici les réelles taxes qui sont appliquées sur les produits que vous achetez

04/02: **Jean Hindriks** - RTBF La 1ere: L'abaissement de la TVA touchera davantage la classe moyenne inférieure que supérieure

17/02: **Jean Hindriks** - Sud Presse: En 2021, la TVA a rapporté près de... 33,3 milliards d'euros à l'État

28/04: **Jean Hindriks** - SudInfo La Capitale : Le PS veut taxer les Belges les plus riches. Quatre partis le soutiennent

28/04: **Jean Hindriks** - Sud Info La Meuse: Taxer à partir d'un million : «Cela toucherait 10% des gens et non 1%»

02/05: **Jean Hindriks** - Sud Info La Meuse: Opération SOS pouvoir d'achat : ce que l'on peut espérer

05/05: **Jean Hindriks** - L'Avenir : Comment préserver le pouvoir d'achat ? «Il faut s'attaquer à la source du problème»

11/05: **Jean Hindriks** - SudInfo La Capitale: L'étude qui peut relancer les fusions : 202 communes wallonnes sont «trop petites»

12/05: **Jean Hindriks** - L'Echo: Taxer les loyers réels ? "Alors, il faut revoir toute la fiscalité immobilière"

17/05: **Jean Hindriks** - SudInfo La Meuse : Une commune sur quatre compte moins de 5.000 habitants : à quand la fusion ?

19/05: **Jean Hindriks** - Sud Info: Une dette vis-à-vis de nos enfants

19/05: **Jean Hindriks** - Sud Info: Les chiffres complètement fous de la dette belge

TOPICS | Regional and Geographical Sciences



CORE Discussion Papers

2021/31. Integrate an accessibility measure in the modal choice of strategic freight transport models **Bart Jourquin**

Media

25/04: **Isabelle Thomas** - LN24: En route : dans le contexte actuel, comment repenser sa mobilité ?

23/05: **Jean Hindriks** - Sud Info La Meuse: Erquelinnes veut fusionner avec Merbes, Aiseau a refusé de le faire avec Farcinnes/

25/05: **Jean Hindriks** - Vivacité:Fusion des communes : pour être viable, une commune doit compter au moins 15.000 habitants

TOPICS | Social Choice and Welfare Economics



CORE Reprints

3199. Preference responsibility versus poverty reduction in the taxation of labor incomes.
Journal of Public Economics, Vol. 197, p. 104386 (2021). Henry de Frahan, Lancelot ; **Maniquet, François**.

3200. Well-Being, Poverty, and Labor Income Taxation: Theory and Application to Europe and the United States.
American Economic Journal: Microeconomics, Vol. 13, no.2, p. 276-310 (2021). **Maniquet, François** ; Neumann, Dirk.

CORE Discussion Paper

2021/21. Multidimensional poverty measurement and preferences **François Maniquet**

Media

03/12: **Jean Hindriks** - L'Echo: Et si on changeait d'approche pour éliminer la pauvreté ?

20/05: **François Maniquet** - Le Soir: Travailleurs pauvres : un phénomène qui va augmenter si on prend en compte le niveau de vie



TOPICS | Supply Chain

CORE Reprint

3177. A multi-criteria fleet deployment for cost time and environmental impact. "International Journal of Production Economics" - Vol. 243 (2022).
Manuel Herrera Rodriguez, **Per J. Agrell**, Casiano Manrique-de-Lara-Peñaate, Lourdes Trujillo

MEDIA

20/05: **Philippe Chevalier** - LN24 - Le Mag: Comment rendre les chaînes d'approvisionnement plus résilientes ?



TOPICS | Transport Economics



CORE Reprints

3177. A multi-criteria fleet deployment model for cost, time and environmental impact.

"International Journal of Production Economics" - Vol. 243 (2022).

Manuel Herrera Rodriguez, **Per J. Agrell**, Casiano Manrique-de-Lara-Peñaate, Lourdes Trujillo

3197. A Multimodal Transport Model to Evaluate Transport Policies in the North of France.

"Sustainability" - Vol. 14, no. 3, p. 1535 (2022).

Moez Kilani, Ngagne Diop, **Daniel De Wolf**

Media

30/09: **Bart Jourquin** - Trends - Tendance : La recette de la gratuité

20/10: **Bart Jourquin** - La Libre Echo: "Un euro investi dans le rail" génère-t-il vraiment trois euros en retour pour l'économie belge ?

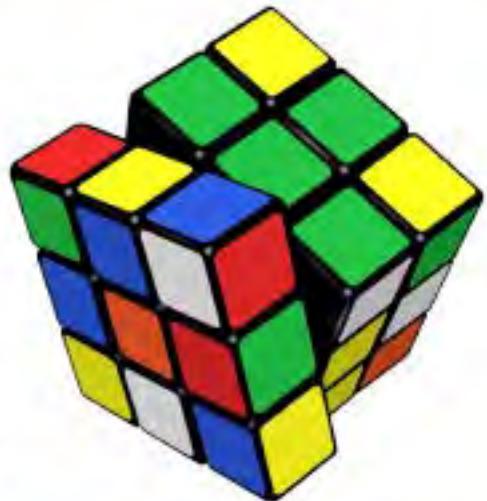
03/11: **Bart Jourquin** - Le Vif: La rude reconquête de l'Europe

11/11: **Bart Jourquin** - Trends : Het spoor moet aantrekkelijker worden

11/11: **Bart Jourquin** - Trends Tendances: Environnement : le lent retour du fret ferroviaire

11/06: **Bart Jourquin** - RTBF: Perturbations dans le trafic aérien cet été ? "Il y a beaucoup de mal-être et le mal-être entraîne beaucoup de conflit

22/06: **Bart Jourquin** - Moustique: La fin des vacances low cost ?



TOPICS | Miscellaneous

CORE Discussion Papers

2021/25. Field Experiments in the Global South: Assessing Risks, Localizing Benefits, and Addressing Positionality.
Biz Herman, **Amma Panin**, Nicholas Owlsley, e.a.

2022/14. The Assembly Line or the Fat Capitalist : A Mexican Tale by B. Traven.
Pierre Dehez, Victor Ginsburgh



Junior Researchers

Junior Researchers

PhD Students and Junior Researchers

Gautier Attanasi · Daniel Felipe Avila Girardot · Jacques Cartuyvels · Sefane Çetin · Xuyang Chen · Fabrizio Ciotti · Sarah Damai · Pierre de Callataj · Henri Dehaybe · Julien Dewez · Nikita Doikov · Jérôme Dollinger · Thomas Eisfeld · Martin Frohn · Sylvain Funck · Céline Gérard · Antoine Germain · Madeleine Guyot · Thuc Huan Ha · Thomas Hacardiaux · Manuel Herrera Rodriguez · Quentin Lete · Liana Sabina Luncasu · Gaëtan Montero Redondo · Mariam Nanumyam · Robin Ng · Erika Pini · Niranjana Prasad · Anton Rodomanov · Mathieu Sauvenier · Yu Sun · Lorenzo Tondi · Sonia Trabelsi · Alessandro Veneri

Post Doctoral Fellows

Research fellows are scholars working at CORE for a period of one to three years.

Masoud Akookhosh, KU Leuven, Belgium
Arnaud Adam, CORE, UCLouvain, Belgium
Nikita Doikov, UCLouvain, Belgium
Radu- Alexander Dragomir, Université de Toulouse capitole et ENS Paris, France
Muxin Li, Indiana University, Bloomington, USA
Seyed Hassan Nosratabadi, Rutgers University, USA
Wenli Peng, Louvain School of Economics, Belgium
Iman Salem, HEC Liège, Belgium
Frank Schlutter, Heinrich-Heine-Universität, Düsseldorf, Germany
Evgeniya Vorontsova, Université Grenoble Alpes, France

Completed PhD Dissertations

7 CORE doctoral students successfully defended their Doctoral Dissertation at CORE.

Céline GERARD on September 16, 2021

Title: Mobilizing Flexible Demand in Electric Power Systems Through Service Quality Differentiation

Supervisor: Prof. Anthony Papavasiliou

Nikita DOIKOV on September 20, 2021

Title: New second-order and tensor methods in Convex Optimization

Supervisor: Prof. PYurii Nesterov

Martin FROHN on October 27, 2021

Title: Models and Methods for Computational Phylogenetics under Minimum Evolution

Supervisor: Prof. Daniele Catanzaro

Mariam NAMUMYAN on November 12, 2021

Title: Social influence and Personal Norms in Networks with Strategic Complementarities

Supervisor: Prof. Vincent Vannetelbosch

Julien DEWEZ on January 31, 2022

Title: Computational Approaches for Lower Bounds of the Nonnegative Rank

Supervisor: Prof. François Glineur

Loïc VAN HOOREBEECK on May 23, 2022

Title: Nonconvex and nonsmooth economic dispatch

Supervisors: Prof. Pierre-Antoine Absil and Prof. Anthony Papavasiliou

Anton RODOMANOV on August 23, 2022

Title: Quasi-Newton Methods with Provable Efficiency Guarantees

Supervisor: Prof. Yurii Nesterov

CORE TEAM | Post-Doctoral Fellows



**Masoud
Ahookhosh**

ERC Project : Accelerated convex optimization

Fields of interest: mathematical optimization



Arnaud Adam

FNRS Project : Trucks: Geography of traces and places

Fields of interest: transport, spatial, big data, networks



Nikita Doikov

Louvain School of Engineering

Field of interest: optimization, machine learning, statistics, natural Language processing, computer vision



**Radu-Alexandru
Dragomir**

Thesis: Optimization algorithms for large scale problems, with a focus on non-Euclidean methods

Field of interest: quartic optimization methods



Muxin Li

ARC project:
Platform and operations in the sharing economy

Fields of interest: industrial organization, digitalization



**Seyed Hassan
Nosratabadi**

IWABE Project : Individual Welfare Analysis Based on Behavioral Economics

Fields of interest: decision theory and its application to both individual and social choice



Wenli Peng

Louvain School of Economics

Field of interest: supply chain management



Iman Salem

Thesis: Organisation et performance des services publics locaux

Field of interest: digital economics

CORE TEAM | Post-Doctoral Fellows



Frank Schlüter

Thesis: Four Essays on
Competition Economics

Field of interest: competition Economics



**Evgeniya
Vorontsova**

ERC Project : Accelerated convex
optimization

Field of interest: mathematical optimization

CORE TEAM | PhD Students



Gautier Attanasi

Louvain School of Economics

Thesis: Dimension reduction of high dimensional nonstationary time series



Supervisor: Sébastien Van Bellegem

Daniel Felipe Avila Girardot

Louvain School of Economics

Thesis: A stochastic programming approach to multi-stage TSO-DSO coordination under uncertainty



Supervisor: Anthony Papavasiliou



Jacques Cartuyvels

Louvain School of Engineering

Thesis: Study on scarcity pricing in Belgium



Supervisor: Anthony Papavasiliou

Sefane Cetin

Louvain School of Economics

Thesis: Heterogenous preferences and risk sharing under different pension systems



Supervisor: Jean Hindriks



Xyuan Chen

Louvain School of Economics

Thesis: Tax enforcement and multinationals' profit shifting



Supervisor: Jean Hindriks

Fabrizio Ciotti

Louvain School of Economics

Thesis: The economics of digitization



Supervisor: Paul Belleflamme



Sarah Damai

Louvain School of Management

Thesis: Managing impatient flows in a hospital taking into account the patient diagnosis and the stochastic nature of arrivals



Supervisor: Philippe Chevalier

Pierre de Callataÿ

Louvain School of Economics

Thesis: The role of information in social dilemmas



Supervisor: Vincent Vannetelbosch



Henri Dehaybe

Louvain School of Management

Thesis:

A deep reinforcement learning approach for solving stochastic inventory problems

Supervisor: Philippe Chevalier



Julien Dewez

Louvain School of Management

Thesis: Lower bounds on the nonnegative rank



Supervisor: François Glineur



Nikita Doikov

Louvain School of Engineering

Thesis: Development of second order methods for structured optimization problems



Supervisor: Yurii Nesterov



Jérôme Dollinger

Louvain School of Economics

Thesis: Coalitions interrelations and co-evaluations



Supervisors: Ana Mauleon and Vincent Vannetelbosch



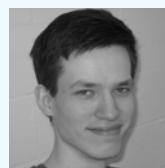
Thomas Eisfeld

Louvain School of Economics

Thesis: Peer-dependent reference points



Supervisors: Johannes Johnen and François Maniquet



Martin Frohn

Louvain School of Engineering

Thesis: Greed, majorization, and their impact on optimization over lattices unrooted binary trees



Supervisor: Daniele Catanzaro



Sylvain Funck

Louvain School of Economics

Thesis: Matching with group-dependent preferences: Refugees resettlement and employment guarantee scheme



Supervisors: Ana Mauleon and Vincent Vannetelbosch



Céline Gérard

Louvain School of Engineering

Thesis: Mobilizing flexible demand electric power systems through service quality differentiation



Supervisor: Anthony Papavasiliou



Antoine Germain

FNRS research fellow/aspirant

Thesis: Fairness, optimal taxation and public policies evaluation



Supervisor: François Maniquet



Madeleine Guyot

Department of Geography

Thesis: Urban streetscape and wellbeing: The example of Brussels



Supervisors: Isabelle Thomas and Sophie Vanwambeke



Thuc Huan Ha

Louvain School of Economics

Thesis: Essays on industrial organization and circular economy



Supervisors: Paul Belleflamme and Thierry Bréchet



Thomas Hacardiaux

Louvain School of Management

Thesis: Benefits of horizontal cooperation in supply chains



Supervisor: Jean-Sébastien Tancrez



Manuel Herrá Rodriguez

Louvain School of Management

Thesis: Three essays on port network optimization and Panama canal models



Supervisor: Per Agrell



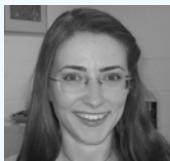
Quentin Lété

Louvain School of Engineering

Thesis: Models and algorithms for the active management of the European electricity



Supervisor: Anthony Papavasiliou



Liana-Sabina Luncasu

Louvain School of Economics

Thesis: Nonparametric estimation of efficiency frontiers with noise in both variables



Supervisor: Sébastien Van Bellegem



Gaëtan Montero Redondo

Department of Geography

Thesis: Measuring and understanding the morphology of urban space. Theoretical and empirical contributions on the basis of Brussels metropolitan area.



Supervisor: Isabelle Thomas



Mariam Nanumyam
Louvain School of Economics
and Universität Bielefeld,
Germany

Thesis: The impact of opinion formation on expectations and market dynamics

Supervisor: Paul Belleflamme



Robin Ng

Louvain School of Economics
Thesis: Essays on the economics
of trust in the digital economy



Supervisor: Paul Belleflamme



Erika Pini
Louvain School of Economics

Thesis: Economic inequality, political polarization and voter turnout



Supervisor: François Maniquet

Niranjana Prasad

Louvain School of Economics
Thesis: Family planning laws and
contraception use in India



Supervisor: François Maniquet



Anton Rodomanov

Louvain School of Economics
Thesis: Quasi-Newton methods
with provable efficiency
guarantees

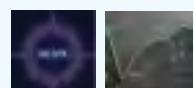


Supervisor: Yurii Nesterov



Mathieu Sauvenier

Louvain School of Economics
Thesis: High dimension
sparse econometric models



Supervisor: Sébastien Van Bellegem



Yu Sun
Louvain School of Economics

Thesis: Sustainable
economic growth and
uncertainty



Supervisor: Thierry Bréchet and Sandy Tubeuf



Lorenzo Tondi

Louvain School of Economics
Thesis: Optimal copyright duration



Supervisor: Paul Belleflamme



Sonia Trabelsi

Department of Geography

*Thesis: Geographies of health
in Measurements,
opportunities and challenges*



Supervisor: Isabelle Thomas



Alessandro Veneri

Doctoral researcher

*Thesis: Equitable pension
reforms: An intergenerational
assessment*



Supervisor: Jean Hindriks

Scientif Exchanges & Visitors

Research Visitors

Visitors

Larry Kranich, State University of New York, Albany, USA.
Invited by François Maniquet (from 10 till 30 April 2022)

Robin Braun, Bank of England, Great Britain.
Invited by Francesca Monti (from 11 to 12 May, 2022)

Andrea Gasparin, Universita degli studi di Trieste, Italy.
Invited by Daniele Catanzaro (From May 30 till June 4, 2022)

Grigory Malinovsky, King Abdullah University of Science and Technology, Saudi Arabia.
Invited by Yurii Nesterov (from 1 till 21 June, 2022)

Volkан Cevher, EPFL/ Swiss Federal Institute of Technology Lausanne, Switzerland.
Invited by Yurii Nesterov (from 14 till 16 July, 2022)

Conferences & Seminars

2021

September 10, 2021

LED Online Seminar - Garrett Johnson, Questrom School of Business

Regulating Privacy Online: An economic Evaluation of the GDPR.

September 29, 2021

Conférence de presse

Les défis de la reprise économique Post-Covid 19

September 30, 2021

UCLouvain Economics Seminar- Lisa Spantig, RWTH Aachen / Essex

Flexible microcredit: effects on loan repayment and social pressure

October 8, 2021

LED Online Seminar - Yevgeniya Shevtsova , JRC

Whistling in the dark? Equity market reactions to Digital Service Tax proposals

October 13, 2021

Core Brown Bag seminar - Rosaria Distefano, University of Catania

Hard sell to hard sells: A model of add-on pricing and locked-in

October 20, 2021

Core Brown Bag Seminar - Paul Belleflamme, CORE

Should collusion on technological development be prohibited for environmental motives?

Probably not

October 21, 2021

Joint Macroeconomic Seminar - José-Luis Peydro, Imperial College, UPF-CREI-CREA and CEPR)

Monetary Policy and Inequality

October 26, 2021

UCLouvain Economics Seminar- Marc Klemp, University of Copenhagen

Human Dispersal from Africa and Group Formation

October 27, 2021

CORE Brown Bag Seminar - Frank Schüttler, CORE

Managing Seller Conduct in Online Marketplaces and Platform Most-Favored Nation Clauses

November 4, 2021

UCLouvain Economics Seminar- Ricardo Reis, LSE

The constraint on public debt when $r < g$ but $g < m$

November 10, 2021

Core Brown Bag Seminar - Claude d'Aspremont, CORE

The Economics of Competition, Collusion and in-between

November 12, 2021

LED Online Seminar - Alessandro de Chiara, Universitat de Barcelona

Efficient copyright filters for online hosting platforms

November 17, 2021

Core Brown Bag Seminar - Shiva Shekhar, Universität Passau

Is vertical foreclosure a concern in markets featuring network effects?

November 18, 2021

UCLouvain Economics Seminar- Francesca Monti, CORE

Heterogeneous beliefs and the Phillips curve

November 25, 2021

UCLouvain Economics Seminar- Olivier Loisel, ENSAE

A Model of Post-2008 Monetary Policy

December 1, 2021

Core Brown Bag Seminar - Johannes Johnen, CORE

Behavioral Economic Agents and Platform Design

December 9, 2021

UCLouvain Economics Seminar- Mathias Rodemeier, Bocconi University

Buy Baits and Consuler Sophistication: Theory and Field Evidence from Large-Scale Rebate

Promotions

December 10, 2021

LED Online Seminar - Luis Aguiar, University of Zurich

Crowds, and Gender Differences in Online Movie Reviews

Conferences & Seminars

2022

January 28, 2022

Bruno Carballa Smichowski, JRC

When 'the' market loses its relevance: an empirical analysis of demand-side linkages in platform ecosystems

February 2, 2022

Robin Ng, CORE

Ratings with heterogenous preferences

February 9, 2022

Philipp Kircher, Cornell/CORE

Eliciting time preferences when income and consumption vary:

Theory, validation & application to job search.

February 11, 2022

LED Online Seminar - Ambre Nicolle, ENSAI - CREST

The impact of trade wars on uninvolved countries: Evidence from the smartphone market

February 16, 2022

Brown Bag Seminar - Flavio Pino, Politecnico di Torino

User Data and Endogenous Entry in Online Markets

February 24, 2022

UCLouvain Economic Seminar - Sonia Bhalotra, Warwick University

Antidepressant use and academic achievement: Evidence from Danish administrative data

February 25, 2022

LED Online Seminar - Michael Luca, Harvard Business School

Designing Inclusive Platforms

March 3, 2022

UCLouvain Economics Seminar - Miriam Kohl, Johannes Gutenberg University

Unilateral Tax Policy in the Open Economy

March 8, 2022

Operations Research Seminar - Bernard Fortz, ULB

Unit Commitment under Market Equilibrium Constraints

March 10, 2022

UCLouvain Economics Seminar - Patricio Dalton, Tilburg University

Developing Goals for Development: Experimental Evidence from Cassava Processors in Ghana

March 15, 2022

Operations Research Seminar - Jannik Matuschke , KU Leuven

A Constant-Factor Approximation for Generalized Malleable Scheduling under M - Concave Processing Speeds

March 16, 2022

Core Brown Bag Seminar - Juan Rodrigues Gonçalves, CORE

Peer pressure and overconfidence in alcohol consumption

March 18, 2022

LED Online Seminar - Robert Somogyi , Budapest University of Technology and Economics

News Media Bargaining Codes

March 24, 2022

UCLouvain Economics Seminar -Seetha Menon, University of Southern Denmark

The Effect of Domestic Violence on Cardiovascular Risk

March 29, 2022

Operations Research Seminar - Ulrike Schmidt Kraepelin, TU/Berlin

The popular assignment problem: when cardinality is more important than popularity

March 30, 2022

Core Brown Bag Seminar - Muxin Li ,Bocconi University

Screening in peer-to-peer lending

March 31, 2022

UCLouvain Economics Seminar - Michel Beine, University of Luxembourg

New York, Abu Dhabi, London or Stay at Home? Using a Cross-Nested Logit Model to Identify Complex Substitution Patterns in Migration

April 6, 2022

Core Brown Bag Seminar - Pierre de Callataÿ , CORE

Minimally Farsighted Unstable Networks

April 20, 2022

Core Brown Bag Seminar -Kenza Elass, AMSE

What do women want in a job? Gender-biased preferences and the reservation wage gap

April 21, 2022

UCLouvain Economics Seminar -Pilar Garcia-Gomez, Erasmus University Rotterdam

Gender and performance of collaborative research: evidence from student teams

April 22, 2022

LED Online Seminar- Alexandre de Cornière, TSE

Data-driven mergers

April 27, 2022

Core Brown Bag Seminar - Johannes Johnen, CORE

Distracted from Comparison: Product Design and Advertisement with Limited Attention

April 28, 2022

UCLouvain Economics Seminar - Laurence J. Kranich, SUNY at Albany

Subject to Influence: Endogenous Effects on (Social) Preferences

May 4, 2022

Core Brown Bag Seminar - Fabien Petit, AMSE

Market frictions, hedging complements, and put-call parity

May 5, 2022

UCLouvain Economics Seminar - Jean-Baptiste Michau, Polytechnique

Fiscal Policy under Secular Stagnation: An Optimal Pump-Priming Strategy

May 10, 2022

Operations Research Seminar - Laura Sanità , TU/Eindhoven

On the Simplex method for 0/1 polytopes

May 11, 2022

Core Brown Bag Seminar - Henry Tulkens, CORE

Economics, Game Theory and Environmental Agreements' (2019)

May 19, 2022

UCLouvain Economics Seminar - Gilat Levy, LSE

Political social-learning: short-term memory and cycles of polarisation

May 27, 2022

LED Online Seminar - Anna Kerkhof, ifo Institute for Economic Research

Debunking fake news on social media: short- and longer-term effects of fact checking and media literacy interventions

May 30- June 1, 2022

ECORES - Summer School 2022

Social behaviour and public policy

June 2, 2022

UCLouvain Economics Seminar - Felix Koenig, Carnegie Mellon

Does Work-Time Regulation Cost Jobs? The Impact of PTO Regulation

July 4-5, 2022

Digital Economics Summer School

Ecole d'été d'économie numérique (3EN), 8th edition



Fundings

Fundings

Behavioral Economics

Individual Welfare Analysis based on Behavioral Economics (IWABE)

CORE coordinators: Johannes Johnen and François Maniquet

CORE researcher: Seyed Hassan Nosratabadi

Financement: FNRS - EOS Project (Excellence of Science)

Date: January 2018 - December 2021

Anxiety, insurance and economic mistakes

CORE Coordinator: Amma Panin (CORE)

Financement: FNRS - CDR 2021

Date: January 2022 - December 2023

Peer-dependent reference points

CORE Coordinator: Johannes Johnen

CORE Researcher: Thomas Eisfeld (CORE)

Financement: FNRS -FRESH 2021 (2nd grant)

Date: October 2020 - September 2023

Payment flexibility for insurance premiums in Rwanda. Welfare effects and policy design.

CORE Coordinator: Amma Panin

Financement: FSR 2022

Date: October 2022 - September 2024

Big Data

The interplay between competition on and competition among digitam marketplaces

CORE coordinator: Paul Belleflamme

CORE researcher: Fabrizio Ciotti

Financement: FNRS - FRESH

Date: February 2020- September 2023

Digital Economics

Platform Regulation and Operations in the Sharing Economy (PROSEco)

CORE coordinators: Paul Belleflamme, Philippe Chevalier, Johannes Johnen and Jean-Sébastien

Tancrez *CORE researchers:* Muxin Li, Robin NG and Rishikesh Parma

Financement: Fédération Wallonie-Bruxelles - ARC

Date: October 2019 - September 2024

The interplay between competition on and competition among digitam marketplaces

CORE coordinator: Paul Belleflamme

CORE researcher: Fabrizio Ciotti

Financement: FNRS- FRESH

Date: February 2020- September 2023

Chaire Economie Digitale

CORE coordinator: Paul Belleflamme

Financement: Google Belgium

Date: September 2020 - December 2025

How do ratings work? The impact of formation of ratings and design of ratings systems on the informativeness of ratings.

CORE Coordinators: Paul Belleflamme /Johannes Johnen

CORE Researcher: Robin Ng

Financement: FNRS - Aspirant (2022)

Date: October 2022 - September 2024

Energy

Flexible energy production, demand and storage-based virtual power plants for electricity markets and resilient DSO operation (FEVER)

CORE coordinator: Anthony Papavasiliou

CORE researcher: Ilyès Mezghani, Nicolas Stevens

Financement: European Commission (H2020) - ERC

Date: February 2020 - July 2023

Models and algorithms for the active management of the European electricity grid

CORE coordinator: Anthony Papavasiliou

CORE researcher: Quentin Lété

Financement: FNRS - Aspirant

Date: October 2019 - September 2021

Energy technology modelling framework for policy support towards a cost effective and sustainable society in 2030-2050 (ECPO 2030-2050)

CORE coordinator: Anthony Papavasiliou

CORE researcher: Jacques Cartuyvels

Financement: FNRS - FRIA

Date: October 2018 - May 2023

Color power

CORE coordinators: Philippe Chevalier and Anthony Papavasiliou

CORE researcher: Yuting Mou

Financement: Electrabel

Date: October 2015 - September 2021

Education

Does making secondary school a minimum requirement for parliamentarian

CORE Coordinator: Amma Panin

Financement: IGC Funding ZMB-22084 (external grant award) International Growth Centre

Date: February 2022 - April 2023

Financial Economics

Traitemet théorique et empirique des primes de risque sur le marché des obligations d'Etat

CORE coordinator: Leonardo Iania

Financement: FNRS - Aspirant

Date: October 2020- September 2022

Game Theory

The role of information in social dilemmas

CORE coordinators: Ana Mauleon and Vincent Vannetelbosch
CORE researcher: Pierre de Callataÿ
Financement: FNRS- PDR
Date: July 2018 - June 2022

Self -selection in social dilemmas

CORE coordinators: Ana Mauleon and Vincent Vannetelbosch
CORE researcher: Pierre de Callataÿ
Financement: Fonds de Recherche Pierre et Colette Bauchau
Date: January 2018 - December 2021

The interplay between competition on and competition among digital marketplaces

CORE coordinator: Paul Belleflamme
CORE researcher: Fabrizio Ciotti
Financement: FNRS - FRESH
Date: February 2020- September 2023

Health

Nature impact on mental health distribution

CORE coordinator: Isabelle Thomas
CORE researchers: Madeleine Guyot and Sonia Trabelsi
Financement: BELSPO - BRAIN
Date: July 2017 - December 2021

Essays on the determinants of women's

CORE Coordinator: François Maniquet
CORE Researcher: Niranjana Prasad
Financement: FNRS - FRESH 2021 (1st grant - 2nd year) access to healthcare in India
Date: January 2021 - December 2022

Social security under heterogeneous risk preferences: balancing longevity and mortality risks

CORE Coordinator: Jean Hindriks
CORE Researcher: Alessandro Veneri
Financement: FNRS - Aspirant (2022)
Date: September 2021 -September 2022

Industrial Organization

Platform Regulation and Operations in the Sharing Economy (PROSEco)

CORE coordinators: Paul Belleflamme, Philippe Chevalier, Johannes Johnen and Jean-Sébastien Tancrez

CORE researchers: Muxin Li, Robin NG and Rishikesh Parma

Financement: Fédération Wallonie-Bruxelles -ARC

Date: October 2019 - September 2024

The interplay between competition on and competition among digitam marketplaces

CORE coordinator: Paul Belleflamme

CORE researcher: Fabrizio Ciotti

Financement: FNRS- FRESH

Date: February 2020- September 2023

How do ratings work? The impact of formation of ratings and design of ratings systems on the informativeness of ratings.

CORE Coordinators: Paul Belleflamme /Johannes Johnen

CORE Researcher: Robin Ng

Financement: FNRS - Aspirant (2022)

Date: October 2022 - September 2024

Mathematical Optimization

Accelerated Convex Optimization (ACCOpt)

CORE coordinator: Yurii Nesterov

CORE researchers: Masoud Ahookhosh, Nikita Doikov, Mihai Florea, Geovani Nunes Grapiglia, Anton Rodomanov and Evgenia Vorontsova

Financement: European Commission - ERC

Date: September 2018 - September 2023

Trade-opt training data-driven experts in optimization

CORE coordinator: François Glineur

Financement: European Commission (ITN Marie-Curie H2020)

Date: June 2020 - May 2024

Structured low-rand and matrix/tensor approximation: Numerical optimization-based algorithms and applications

CORE coordinator: François Glineur

Financement: FNRS - EOS Project (Excellence of Science)

Date: January 2018 - December 2021

Models and algorithms for the active management of the European electricity grid

CORE coordinator: Anthony Papavasiliou

CORE researcher: Quentin Lété

Financement: FNRS - Aspirant

Date: October 2019 - September 2021

Optimizing over unrooted binary tree: Bridging the gap between phylogenetics and coding theory

CORE coordinator: Daniele Catanzaro

CORE researcher: Martin Frohn

Financement: UCLouvain - FSR

Date: October 2019 – September 2021

Computing the exact performance of black-box optimization methods: An automated tool to improve understanding and design better algorithms

CORE coordinator: François Glineur

Financement: UCL Louvain and KU Leuven (KU Leuven Global PhD parternships 2020 with UCLouvain)

Date: October 2020 - September 2022

Advances in computational phylogenetics

CORE Coordinator: Daniele Catanzaro

Financement: FNRS -PDR (2021)

Date: January 2022 - December 2025

Microeconomic Theory

Individual Welfare Analysis based on Behavioral Economics (IWABE)

CORE coordinators: Johannes Johnen and François Maniquet *CORE researcher:* Seyed Hassan Nosratabadi
Financement: FNRS - EOS Project (Excellence of Science)
Date: January 2018 - December 2021

Pension

Lifespan heterogeneity, "hazardous and arduous" occupations and pension policy

CORE Coordinators: Vincent Vandenbergh & Jean Hindriks
CORE Researcher: Arno Baurin (CORE)
Financement: FNRS - FRESH (2021 -2nd grant)
Date: January 2021 - September 2023

Public Economic Theory

Economic inequality, political polarization and voter turnout

CORE coordinator: François Maniquet
CORE researcher: Erika Pini
Financement: FNRS - Aspirant
Date: October 2018 - September 2022

Essays on the determinants of women's

CORE Coordinator: François Maniquet
CORE Researcher: Niranjana Prasad
Financement: FNRS - FRESH 2021 (1st grant - 2nd year) access to healthcare in India
Date: January 2021 - December 2022

Does making secondary school a minimum requirement for parliamentarian

CORE Coordinator: Amma Panin
Financement: IGC Funding ZMB-22084 (external grant award) International Growth Centre
Date: February 2022 - April 2023

Payment flexibility for insurance premiums in Rwanda. Welfare effects and policy design.

CORE Coordinator: Amma Panin
Financement: FSR 2022
Date: October 2022 - September 2024

Social security under heterogeneous risk preferences: balancing longevity and mortality risks

CORE Coordinator: Jean Hindriks
CORE Researcher: Alessandro Veneri
Financement: FNRS - Aspirant (2022)
Date: September 2021 -September 2022

Regional and Geographical Sciences

Nature impact on mental health distribution

CORE coordinator: Isabelle Thomas
CORE researchers: Madeleine Guyot and Sonia Trabelsi
Financement: BELSPO - BRAIN
Date: July 2017 - December 2021

Social Choice and Welfare

Individual Welfare Analysis based on Behavioral Economics (IWABE)

CORE coordinators: Johannes Johnen and François Maniquet

CORE researcher: Seyed Hassan Nosratabadi

Financement: FNRS - EOS Project (Excellence of Science)

Date: January 2018 - December 2021

Payment flexibility for insurance premiums in Rwanda. Welfare effects and policy design.

CORE Coordinator: Amma Panin

Financement: FSR 2022

Date: October 2022 - September 2024