

CURRICULUM VITAE

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RESEARCH INTERESTS

- Energy Economics and Nuclear Energy
- Microeconomy, General Equilibrium and Game Theory
- Modeling and Mathematical Methods in Economics
- Numerical Analysis and Optimization Methods
- Statistics and Operational Research
- Econometry
- Mathematics (Algebra, Analysis, Differential Equations, etc.)

ACADEMIC QUALIFICATIONS

Academic Years 2008 – 2014 (Date of the PhD Thesis Defense: 28 March 2014)

PhD in Economic Sciences at University Paris 1 Panthéon-Sorbonne, Centre d'Economie de la Sorbonne, Paris School of Economics

Title: The optimal management of flexible nuclear plants in competitive electricity systems: The case of competition with reservoir.

PhD Advisor: Pascal Gourdel

Professor of Applied Mathematics in Economics at University Paris 1 Panthéon-Sorbonne, Centre d'Economie de la Sorbonne, Paris School of Economics.

Academic Year 2006 - 2007

Master Research (M2) Econometrics at University Paris 1 Panthéon-Sorbonne, Centre d'Economie de la Sorbonne

MASTER Thesis: Delegation of expenditures in R&D and complementarities: an empirical evaluation.

Academic Years 2004 - 2006

Master Research (M2) Modeling and Mathematical Methods in Economics at University Paris 1 Panthéon-Sorbonne, Centre d'Economie de la Sorbonne

1. **MASTER Thesis** : Comparative study of the articles of K. J. Arrow and G. Debreu (1954) and G. Debreu (1959, 1962).
2. **MASTER Thesis**¹: Adoption and diffusion of an innovation process in an oligopoly with differentiated products.

1 The second MASTER thesis was optional.

September 1999 - December 2003

University Degree in Mathematics and Specialization in Statistics and Operational Research at University of Ioannina GREECE

LANGUAGES and SKILLS

- **Greek** (Mother tongue)
- **English** (speak, read and write fluently), «First Certificate in English» of **Cambridge University**)
- **French** (speak, read and write fluently) **DELFI 1** (Session of May 2004)

COMPUTER SKILLS

- Editing softwares: MS-WINDOWS, LATEX
- Mathematical softwares: C++, SCILAB and MAPPLE, MATHEMATICA
- Statistical and econometrical softwares: JMP, LINDO, SPSS, STATA, STOCHASTIC DYNAMIC PROGRAMMING (REAL OPTIONS THEORY)

RESEARCH ARTICLES

1. Maria Lykidi & Jean-Michel Glachant & Pascal Gourdel, (2012). "The optimal short-term management of flexible nuclear plants in a competitive electricity market as a case of competition with reservoir," Working Papers of **Centre d'Economie de la Sorbonne, Paris** [2012.58].
2. Maria Lykidi & Jean-Michel Glachant & Pascal Gourdel, (2011). "An inter-temporal optimization of flexible nuclear plants operation in market based electricity systems: The case of competition with reservoir," Working Papers of **Centre d'Economie de la Sorbonne, Paris** [2011.74].
3. Maria Lykidi & Jean-Michel Glachant & Pascal Gourdel, (2010). "Modelling the Effects of Nuclear Fuel Reservoir Operation in a Competitive Electricity Market,"
 - Working Papers of **Massachusetts Institute of Technology (MIT), Center for Energy and Environmental Policy Research, US** [1009].
 - Working Papers of **Centre d'Economie de la Sorbonne, Paris** [2010.83].
 - **Robert Schuman Center for Advanced Studies (RSCAS)** Working Papers of **European University Institute, Florence** [2010/68].
4. Maria Lykidi & Jean-Michel Glachant & Pascal Gourdel, (2008). "Review of the literature on the effects of storage (hydro) on competition in electricity," Working Papers of the **Groupe Reseaux Jean Monnet** of the laboratory **ADIS (Analyse sociale des Dynamiques Industrielles)** of **University Paris-Sud 11**.

SELECTED COMMUNICATIONS

1. **Paris (France), 61st Congress of the French Association of Economic Sciences, (AFSE), University Paris 2 Panthéon-Assas** . Presentation of my article: «The inter-temporal optimal management of flexible nuclear plants in

- market based electricity systems as a case of competition with reservoir.» (02-04/07/2012)
2. **Florence (Italy), 9th International Conference on the European Energy Market (EEM12), Florence School of Regulation and Loyola de Palacio Chair.** Presentation of my article: «The inter-temporal optimal management of flexible nuclear plants in market based electricity systems as a case of competition with reservoir.» (10-12/05/2012)
 3. **Paris (France), Annual Conference of AEE (Association for Energy Economics), University Paris 1 Panthéon-Sorbonne**, Maison des Sciences Economiques. Presentation of my article: «The inter-temporal optimal management of flexible nuclear plants in market based electricity systems as a case of competition with reservoir.» (12-13/12/2011)
 4. **Stockholm (Sweden), 38th Conference EARIE (European Association for Research in Industrial Economics), KHT Royal Institute of Technology and Stockholm School of Economics**. Presentation of my article: «The inter-temporal optimal management of flexible nuclear plants in market based electricity systems as a case of competition with reservoir.» (01-03/09/2011)
 5. **Paris (France), 3rd French student chapter workshop co-organized by the Student Section of AEE and the Center for Economics & Management, IFP School.** Presentation of my article: «The inter-temporal optimal management of flexible nuclear plants in market based electricity systems as a case of competition with reservoir.» (07/07/2011)
 6. **Paris (France), 3rd Euro-African Conference in Finance and Economics**, University Paris 1 Panthéon-Sorbonne, Maison des Sciences Economiques. Presentation of my article: «Modeling the effects of nuclear fuel reservoir operation in a competitive electricity market.» (03-04/06/2010)
 7. **Cambridge (England), YEEES Seminar (Young Energy Engineers and Economists Seminar), University of Cambridge**. Presentation of my article: «Modeling the effects of nuclear fuel reservoir operation in a competitive electricity market.» (08-09/04/2010)
 8. **Florence (Italy), Seminar of PhD students Loyola de Palacio, Florence School of Regulation, European University Institute**. Presentation of my article: «Modeling the effects of nuclear fuel reservoir operation in a competitive electricity market.» (15/01/2010)
 9. **Paris (France), Seminar of PhD students of the Student Section of AEE**, University Paris Dauphine. Presentation of my article: «Modeling the effects of nuclear fuel reservoir operation in a competitive electricity market.» (02/11/2009)
 10. **Vienna (Austria), 10th IAEE European Conference**: «Energy, policies and technologies for sustainable economies.» Presentation of my article: «The effects of nuclear fuel storage on competition in electricity.» (07-10/09/2009)
 11. **San-Francisco (US), 32nd IAEE International Conference**: «Energy, economy, environment: The global view.» Presentation of my article: «The effects of nuclear fuel storage on competition in electricity.» (21-24/06/2009)
 12. **Florence (Italy), YEEES Seminar, European University Institute**. Presentation of my article: «The effects of nuclear fuel storage on competition in electricity.» (01-02/06/2009)
 13. **Corsica (France), Summer School at the Institute of Scientific studies of Cargèse (ESNIE 2009)**. Presentation of my article: «Review of the literature

- on the effects of storage (hydro) on competition in electricity.» (18-22/05/2009)
14. **Paris (France), 5th Days of ESNIE, Institut d'Administration des Entreprises de Paris and Centre d'Economie de la Sorbonne, Maison des Sciences Economiques.** Presentation of my article: «Review of the literature on the effects of storage (hydro) on competition in electricity.» (16-17/01/2009)
 15. **Berlin (Germany), Autumn School at University of Technology of Berlin : «6th Course on Applied Infrastructure Research & Policy Training (INFRATRAN).** » (i) Presentation of my article: «Review of the literature on the effects of storage (hydro) on competition in electricity.», (ii) Participation in the preparation and the final presentation of the research project chosen by my team: «Power plant greenfield investment and carbon price uncertainty.» (06-10/10/2008)

TEACHING ACTIVITIES

- **(01/09/2010 - 31/08/2012)** Temporary teaching and research assistant (**ATER part time (192h of tutorial)**) at University Paris-Sud 11. Teaching of **statistics (48h in 1st year of university)**, of **mathematics (48h in 1st year of university)** and of **microeconomics (96h in 1st and 2nd year of university)**.
- **(2010)** A **3 hour** intervention in the course «**Industrial Organization Seminars** » **Master 1** level at University Paris-Sud 11.
- **(01-22/12/2007)** Teaching assistant - **Master Erasmus Mundus (111h)** at University Paris-Sud 11. Teaching of **microeconomics** and of **energy and environmental economics** .

RESEARCH ADMINISTRATION

(2008-2010) Co-organizer of the **seminars in Energy Economics** given by the Groupe Réseaux Jean-Monnet of ADIS of University Paris-Sud 11 (**72h**).

