

# MARCELO G. SAGUAN

PhD in Economics - Industrial Engineer  
Post-doctoral researcher – University Paris XI

Email: [marcelo.saguan@u-psud.fr](mailto:marcelo.saguan@u-psud.fr)

30 years old

Postal Address: 14, rue Affre (75018) Paris, France  
Phone

Citizenship: Argentinian / Italian

Office: +33 (0)1 40 91 64 23

Mobile: +33 (0)6 65 47 36 96

**Affiliation** ADIS-GRJM (Université Paris XI – [www.grjm.net](http://www.grjm.net))  
€NERGIE project (Supélec Energy Department – [www.supelec.fr/ecole/eei/energie](http://www.supelec.fr/ecole/eei/energie))

**Research focus** Energy Network Economics / Electricity Market Design / Market Modelling/  
Ancillary Services and Balancing / Wind power economics

## I- POSITIONS

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Since 2007 University of Paris 11 (ADIS-GRJM): Post-doctoral researcher,  
R2D2 Project : Wind power integration in electricity markets

## II – EDUCATION

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2003-2007 University of Paris 11 - Supélec : PhD in Economics  
“Economic Analysis of Electricity Market Architectures: Application to Real-time market design.”

2002 ENIM (École Nationale d’Ingénieurs de Metz) - Metz - France  
M. Sc. Industrial Engineering

2001 UNC (Universidad Nacional de Cuyo) - Mendoza - Argentina  
M. Sc. Industrial Engineering

## III – RESEARCH

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### *Selected Publications*

2008-1: « Assessing economic consequences of Market Design choices. « Market versus Mechanism » in the case of electricity balancing», With J-M Glachant, submitted to **The Energy Journal** ;

2008-2: « Les architectures de marché électrique : l’indispensable marché du temps réel», with J-M Glachant and Y. Perez, **La Revue d’Economie Industrielle**, forthcoming 2009 ;

2006-1: “Weighting the Economic Properties of Electricity Balancing Arrangements », with J-M Glachant, in **Complex Electricity Markets** Ed. Wladyslaw Mielczarski, IBN 83-921636-7-2, May 2006;

- 2006-2 : « Une frange concurrentielle en France encerclant EDF? », with J-M Glachant, **Revue Française de l'Energie**, N°572 Juillet-Août, July 2006 ;
- 2006-3 : « Le commerce européen de l'électricité dans le respect des contraintes du système électrique : pour un dialogue économistes – ingénieurs », with J-M Glachant, **Revue Société Royale des Ingénieurs Belges**, N°3/2006 – 122e année, October 2006 ;
- 2006-4 : « Un marché européen de l'électricité ou des marchés dans l'Europe ? Regards croisés : économistes et ingénieur », with J-M Glachant, Y. Perez and V. Pignon, **Revue Annales de l'UMR André TUNC**, March 2006.

#### *Selected Conference Proceedings*

- 2008-1: “Market-friendly rules for integrating wind power on markets”, With C. Hiroux, **31th International Conference of the International Association for Energy Economics – Istanbul, Turkey, June 2008 ;**
- 2006-1: “An Institutional Frame to Compare Alternative Market Designs in EU Electricity Balancing”, **American Economic Association, Annual Meeting**, Boston, USA, January 2006 ;
- 2005-1: “The effects of Transmission Capacities on Market Outcomes: An Agent-Based Approach”, with N. Keseric, P. Bastard, J-M Glachant and R. Hass, **2005 IEEE PowerTech**, St. Petersburg, Russia, June 2005 ;
- 2004-1: “Genetic Algorithm Associated to Game Theory in Congestion Management”, **PMAPS 2004 (International Conference on Probabilistic Methods Applied to Power Systems)**, Ames, Iowa, USA, September 2004.

## **IV – CONSULTING ACTIVITIES**

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- 2008-1: Expert Reviewer for the European Project (TREN/C2/84/2007) on : « Study on interaction and dependencies of Balancing Markets, Intraday Trade and Automatically Activated Reserves » directed by ELECTA from University of Leuven (Belgium) ;
- 2008-2: Microeconomix - Comparison of institutional arrangements for electricity transmission networks ;
- 2008-3: GRTgaz – Planning and tarification principles for transport gas networks ;
- 2007-1: Microeconomix – Incentive regulation applied to electricity transmission networks.

## **V – LANGUAGES AND COMPUTER KNOWLEDGE**

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| <b>Languages</b>          | <b>Spanish</b>                                   | Mother tongue |
|                           | <b>French</b>                                    | Fluent        |
|                           | <b>English</b>                                   | Fluent        |
|                           | <b>Italian</b>                                   | Beginner      |
| <b>Informatics Skills</b> | MatLab, GAMS, Mathematica, C++, MS Office, LaTeX |               |