

## Bert Willems

### Curriculum Vitae

#### CONTACT INFORMATION

✉ Department of Economics, Tilburg University  
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💻 [www.bertwillem.com](http://www.bertwillem.com)

#### PERSONAL

Citizenship: Belgian

#### RESEARCH INTERESTS

Regulation, Industrial Organization, Contract Theory and Game theory  
Energy Economics and Environmental Economics

#### EDUCATION

PhD in Economics, 2004, KU Leuven, *Electricity networks and generation market power*  
Visiting Scholar, 2001, Institut d'Economie Industrielle, Université Toulouse I  
MSc Economics, 2000, KU Leuven  
Complementary Studies in Economics, 1999, KU Leuven  
MSc Mechanical Engineering, Energy Systems, 1998, KU Leuven  
Erasmus Exchange Program, 1997, Technische Universität Braunschweig  
BSc Engineering, 1995, KU Leuven

#### LANGUAGES

Dutch (Native), English (Fluent), German (Intermediate), French (Intermediate), Spanish (Intermediate)

#### WORKING EXPERIENCE

Tilburg University, Department of Economics  
Associate Professor, 2010-present  
Assistant Professor, 2008-2010  
Post-doctoral Researcher, Part time 80%, 2006-2008  
KU Leuven, Department of Economics  
Post-doctoral Researcher, Part time 20%, 2006-2008  
European University Institute, Florence School of Regulation  
Jean Monnet Fellow, 2006  
KU Leuven, Department of Economics  
Senior Researcher, 2005  
University of California Energy Institute, Berkeley, California  
Post-doctoral Researcher, 2004  
KU Leuven, Department of Economics  
Research Assistant, 2000-2003  
KU Leuven, Department of Applied Mechanics and Energy Conversion  
Teaching Assistant 1998-1999

**PROFESSIONAL AFFILIATIONS**

Vice-President of the Benelux Association for Energy Economics (BAEE), 2012-present  
 Research Fellow, CentER for Economic Research, Tilburg University, 2006-present  
 Senior Member, Tilburg Law and Economics Center (TILEC), 2006-present

**RESEARCH VISITS**

Toulouse School of Economics, Toulouse University, Nov 2014  
 IFN, Research Institute for Industrial Economics, Stockholm, Jun 2014, Nov 2015, June 2016  
 Cambridge University, Electricity Policy Research Group, Apr 2010-May 2010  
 Technische Universität Dresden, Lehrstuhl für Energiewirtschaft, Jul 2006-Aug 2006

**FELLOWSHIPS**

Marie Curie Intra-European Fellowship, Tilburg University, 2008-2010  
 Jean Monnet Fellowship, European University Institute, 2006  
 Marie Curie Fellowship ENTER network, Université Toulouse I, 2000  
 Erasmus Scholarship, Technische Universität Braunschweig, 1996-1997

**PUBLICATIONS****Published Papers**

Relaxing competition through speculation: Committing to a negative supply slope, 2015, *Journal of Economic Theory*, with P. Holmberg.  
 Exclusion through speculation, 2015, *International Journal of Industrial Economics*, with C. Argenton.  
 Market Integration and Economic Efficiency at Conflict? Commitments in the Swedish Interconnectors Case, 2013, *World Competition Law and Economics Review*, with M. Sadowska.  
 Power markets shaped by antitrust, 2013, *European Competition Journal*, with M. Sadowska.  
 Exclusivity contracts, insurance and financial market foreclosure, 2012, *Journal of Industrial Economics*, with C. Argenton.  
 Regulation of network infrastructure investments: an experimental evaluation, 2012, *Journal of Regulatory Economics*, with C. Noussair and B. Henze.  
 The effect of counter-trading on competition in electricity markets, 2011, *Energy Policy*, with J. Dijk.  
 Risk management in electricity markets: hedging and market incompleteness, 2010, *Energy Economics*, with J. Morbée.  
 Cost recovery in congested electricity networks, 2010, *Zeitschrift für Energiewirtschaft*, with G. Pepermans.  
 Arbitrage in energy markets: Competing in the incumbent's shadow, 2010, *The Energy Journal*, with G. Küpper.  
 Where the Champsaur Commission has got it wrong (Guest editorial), 2009, *The Electricity Journal*, with C. Crampes, J.M. Glachant, C. von Hirschhausen, F. Leveque, D. Newberry, I. Perez-Arriaga, P. Ranci, and S. Soft.  
 Does more international transmission capacity increase competition in the Belgian electricity market?, 2009, *Electricity Journal*, with G. Küpper, E. Delarue, B. Delvaux, L. Meeus, D. Bekaert, S. Proost, W. D'haeseleer, K. Deketelaere, and R. Belmans.  
 Cournot versus Supply Functions: What does the data tell us?, 2009, *Energy Economics*, with I. Rumiantseva and H. Weigt.  
 Cross-subsidies in the electricity sector, 2008, *Competition and Regulation in Network Industries*, with E. Ehlers.  
 Market power mitigation by regulating contract portfolio risk, 2008, *Energy Policy*, with E. de Corte.  
 Network unbundling, ownership structure and oligopolies: A case study for the Belgian

electricity market, 2006, *Competition and regulation in network industries*, with G. Pepermans.  
Modeling Cournot competition in an electricity market with transmission constraints, 2002, *The Energy Journal*.

### Books

*Economic aspects of climate change policy: A European and Belgian perspective*, 2005, ACCO, Leuven, jointly edited with J. Eyckmans and S. Proost.

### Chapter in books

The generation mix, price caps and capacity payments, 2015, in *EU Energy Capacity Mechanisms: Law, Policy, and Economics*, edited by L. Hancher, A. de Hauteclocque, and M. Sadowska, Oxford University Press.

Long term financial transmission rights: an experiment, 2013, with B. Henze and C. Noussair, in *Financial transmission rights: analysis, experiences and prospects*, edited by J. Rossellon and T. Kristiansen, Springer Verlag.

Borging van publieke belangen in de energievoorziening, (securing public interests in the provision of energy), 2010, with M. Mulder in *Marktwerking en publieke belangen*, edited by M.-P. Schinkel and E. van Damme, Koninklijke Vereniging voor de Staathuishoudkunde Preadviezen.

Climate change: challenges for the world, 2005, with J. Eyckmans and J.-P. van Ypersele, in *Economic aspects of climate change policy, A European and Belgian perspective*, edited by B. Willems, J. Eyckmans and S. Proost, Acco Leuven.

### Conference proceedings

Cournot equilibrium in price-capped two settlement electricity markets, 2004, Hawaii International Conference on System Sciences, with J. Yao, S. Oren and I. Adler.

### Academic Opinion and Blogs

When is it abusive for a network operator to restrict exports?, 2012, EU Energy Policy Blog, with M. Sadowska.

Should antitrust authorities allow long-term contracts in the energy market?, 2009, EU Energy Policy Blog, with C. Argenton.

Congestion management in the Netherlands, 2009, Academic Opinion for the Ministry of Economic Affairs, with J. Dijk and G. Petropoulos.

Market power mitigation by regulating contract portfolio risk, 2008, EU Energy Policy Blog, with E. de Corte.

De toekomst van het markttoezicht in Nederland, 2007, Academic opinion for the Ministry of Economic Affairs, with E. van Damme, P. Eijlander and P. Larouche.

Response of Tilec to NMa consultation document on concentrations in the energy market, 2006, with E. van Damme, E. Ehlers, I. Kleinekorte, P. Larouche, and G. Zwart.

### Working papers

Regulating the size of investments in a real option model, 2016, with G. Zwart.

Ten year Dutch electricity retail competition, 2016, with M. Mulder.

Market power and mergers in the German electricity market, 2011, with H. Weigt.

Risk spill overs and hedging: why do firms invest too much in systemic risk, 2010, with J. Morbée.

Virtual divestitures, will they make a difference? Cournot competition, options and efficiency, 2006.

Physical and financial virtual power plants, 2005.

**Work in progress**

Two-dimensional supply function equilibria, with P. Holmberg and K. Ruddell.  
 Generation investment and access regulation in the electricity market: a real option approach,  
 with G. Petropoulos.  
 Retail competition, vertical integration and investments, with T.O. Léautier.

**PHD STUDENTS**

Bastian Henze (with C. Noussair), 2016

**PHD COMMITTEE**

Ali Motavasseli, Tilburg, 2016, Richard Meade, Toulouse, 2014; Romeo Langestraat, Tilburg University, 2013; Matthias Laffont, Toulouse, 2013; Joris Morbée, KU Leuven, 2011; Jasper Frunt, T.U.Eindhoven, 2011; Gerd Küpper, KU Leuven, 2010; Eckart Ehlers, Tilburg University, 2009; Paul Nillesen, Tilburg University, 2008.

**TEACHING EXPERIENCE**

## Undergraduate

Microeconomics, Tilburg University, 2013, 2015

## Graduate

Competition and Regulation, (PhD), Tilburg University, 2013-2017

Competitiveness of the European Union, Tilburg University, 2011-2013

Liberalization and Regulation, Tilburg University, 2007-2016

Networks and Innovation, Tilburg University, 2016-present

Energy Economics for Engineers, KU Leuven, 2005

## Short Courses

Economics of Electricity Markets, 2014, Summer School, Cologne University

Contract Theory, 2006, TU Dresden

Market Power in Electricity Markets, 2006, TU Dresden

Industrial Economics for Lawyers, 2006, Tilburg University

**SCIENTIFIC COMMITTEES**

Chairman of the scientific committee, International Association for Energy Economics (IAEE),  
 World Conference, 2018.

Member of the scientific committee, International Conference on the European Electricity  
 Market (EEM), 2009, 2011, 2012, 2013, 2014, 2016.

Member of the scientific committee, International Association for Energy Economics (IAEE),  
 World Conference, 2011.

Member of the technical committee, Artificial Intelligence Techniques for Power Systems and  
 Energy Markets, IATEM, 2014, 2016.

**REFEREE**

Energy Economics, Energy Policy, European Transactions of Electrical Power, Experimental  
 Economics, IEEE Transactions on Power Systems, International Journal of Industrial  
 Organization, Information Economics and Policy, Journal of Behavioral and Experimental  
 Economics, Journal of Economic Behavior and Organization, Journal of Institutional and  
 Theoretical Economics, Journal of International Economics, Journal of Industrial Economics,  
 Journal of Public Economic Theory, Mathematical Programming B, Operations Research,  
 Resource and Energy Economics, Review of Industrial Organization, The Economic Journal,  
 The Energy Journal, The RAND Journal of Economics, Utilities Policy.

**GRANT REVIEWER**

Austrian Science Fund, Carlo Alberto Foundation, Norwegian Research Council.

**PROJECTS**

The functioning of Dutch retail markets, Authority for Consumers and Markets, 2011 & 2013.

Regulation of interconnector investments in natural gas networks, Dutch Competition

Authorities, NMa, 2010.

Establishing adequacy in the provision of electricity - An experiment, Essent, 2010.

The effect of countertrading on competition in the Dutch Electricity market, Essent, 2008-2009.

Efficiency of take or pay clauses in long term gas contracts, Essent, 2009.

The Frontier shift of the capital costs: a discussion of the NMa methodology decision, TenneT, 2009.

Cross-subsidies in the electricity sector, Essent, 2007.

IDO Interdisciplinary Research Project on Energy and Environmental Policy, Engineering,

Economics and Law, KU Leuven 2006-2008.

Numerical simulation model of the Northwestern European electricity market, Belgian electricity regulator, CREG, 2004-2005.

CLIMNEG II: Climate change policy, Coordinator, Belgian Science Policy, 2004-2005.

Market power in electricity markets, Fund for Scientific Research, Flanders, 2000-2004.

**DEPARTMENT AND FACULTY SERVICE**

Educational Coordinator Micro-economics track, Graduate School, 2016-present.

Member of Faculty Council, Tilburg University, 2014-present.

Organizer of reading group Applied Economic Theory, 2014-present.

Coordinator of the Network Industries track in TILEC, 2012-present.

Coordinator of MSc and BSc theses, Dept. of Economics, Tilburg University, 2013-2016.

Member of Faculty Council and Department Council, KU Leuven, 2000-2003.

**ORGANIZATION OF CONFERENCES AND WORKSHOPS****Organization of Energy Economics Policy Seminars (The Hague)**

*In cooperation with ACM, CPB and TILEC.*

Economic experiments and consumer behavior, 2014, with H. Allcott (NYU).

International environmental agreements, 2012, with S. Barrett (Columbia U).

Distribution networks, regulation and consumers: How to enhance end-user participation?, 2011, with M. Pollit (Cambridge U).

European gas markets and security of supply, 2011, with N-H. von der Fehr (Oslo U) and F. Hubert, (Humboldt U).

Dutch energy policy: which priorities?, 2010, with A. Correlje (TU-Delft).

Innovation and environmental policy, 2010, with R. Gerlagh (Tilburg U.) and T. Goeschl (Heidelberg U.).

Regulating investment in the energy sector, 2009, with I. Vogelsang (Boston U.) and S. Littlechild (Cambridge U.).

The storage of natural gas and convergence of natural gas prices, 2009, with C. von Hirschhausen (TU-Berlin).

Market integration in the electricity sector, 2008, with M. Bjørndal (NHH).

The promotion of wind energy, 2008, with K. Neuhoff (Cambridge U.).

**Organization of other workshops**

First research workshop of the Benelux Association for Energy Economics, 2012, Utrecht.

Investments in electricity generation, 2012, The Hague.

Regulating investments in networks 2009, The Hague.  
 The future of regulation: from cost reduction to innovation and investments, 2008, Tilburg.  
 Consolidation in the Dutch energy markets, 2006, Tilburg.  
 Climate Change Policy Workshop, 2005, Leuven.  
 Electricity Modeling Workshop, 2005, Leuven.

### **Organization Conferences**

World Conference International Association for Energy Economics, 2018, Groningen.  
 Spring Meeting for Young Economists, 2003, Leuven.

### **INVITED SEMINARS**

Seminar, Basel University, 2017.  
 IO Seminar, Toulouse University, 2017.  
 NTNU, Seminar, Trondheim, Norway, 2016.  
 Seminar, University of Florence, 2016.  
 Seminar, University of Pisa, 2016.  
 XXX Jornadas de Economía Industrial, Alicante, Spain, invited session, 2015.  
 Symposium in Honour of Jean Tirole, The Hague, 2014.  
 Seminar at Toulouse University, 2014.  
 IFN Energy Workshop, Waxholm, 2014.  
 INFORMS Conference, Minneapolis, invited session, 2013.  
 Seminar at Ecole des Mines, Paris, 2013.  
 Workshop Market Coupling, The Hague, Netherlands, 2011.  
 Workshop on Pricing on Deregulated Electricity Markets, Voss, 2011.  
 Seminars, Dutch Competition Authority on International Balancing Markets, The Hague, 2011.  
 Seminar, University of Texas, Austin, 2010.  
 Seminar, NHH, Bergen, 2010.  
 Seminar, IFN Stockholm, 2010.  
 Seminar, T.U.Berlin, 2010.  
 Workshop on Mathematical Models in Electricity Markets, Shanghai, 2009.  
 Seminar, T.U. Dresden, 2009.  
 Seminar, Groningen University, 2009.  
 Workshop on Electricity Markets, Girona, 2009.  
 Seminar at Energiewirtschaftliche Institut, EWI, Cologne, 2009.  
 Workshop on Vertical Relations, University of Vienna, 2009.  
 CPB seminar, The Hague, 2009.  
 Seminars, University Cologne, 2009.  
 Workshop on Electricity Markets, Kiev, 2009.  
 Workshop on Long Term contracts in Electricity Markets, Florence, 2009.  
 Seminar, NHH, Bergen, 2009.  
 Policymaking Benefits and Limitations from Using Financial Methods and Modeling in Electricity Markets, Workshop, Oxford, 2008.  
 Keynote speech at the Conference of applied infrastructure research, T.U. Berlin, October 2008.  
 Seminar, Research Institute of Industrial Economics, Stockholm, 2008.  
 Seminar, University Paris-Sud, 2008.  
 Seminar, Köln University, 2008.  
 YEES, Energy Workshop for PhD students, Dresden, 2007.  
 Conference on retail competition in electricity markets, Florence, 2006.  
 Seminar, Italian Regulatory Authority for Electricity and Gas, Milan, 2006.  
 Seminar, FEEM, Milan, 2006.  
 ESF Workshop on Mathematical Models for Electricity Markets, Ciudad Real, 2006.

Seminar, Robert Schumann Centre for Advanced Studies, Florence, 2006.  
 Seminar, Deutsches Institut für Wirtschaftsforschung, Berlin, 2006.  
 Seminar, Department of Economics, EUI, Florence, 2006.  
 Energy Colloquium, ETH Zurich, Switzerland, 2006.  
 Seminar, Dresden, Germany, 2005.  
 Electricity Research Camp, Berkeley, 2005.  
 Electricity Research Camp, Berkeley, 2004.  
 Seminar Benelux Association of Energy Economists, Leuven, 2004.  
 Seminar, UCEI, Berkeley, 2004.  
 Seminar, IEOR, Berkeley, 2004.  
 Seminar, University of Antwerp, 2004.  
 Seminar, University of Tilburg, 2004.  
 Seminar, UCEI, Berkeley, 2003.  
 Seminar, Core, Louvain-La-Neuve, 2003.  
 Seminar, Université de Namur, 2003.  
 Seminar, IDEI, Toulouse, 2001.

### CONFERENCE PRESENTATIONS

IAEE World conference, Bergen, Norway, 2016.  
 3rd workshop 'Industrial Organization: Theory, Empirics and Experiments, Alberobello, 2014.  
 IDEI Energy Conference, Toulouse, 2014.  
 IDEI Energy Conference, Toulouse, 2013.  
 MaCCI Annual Conference, Mannheim, 2013.  
 Mannheim Energy Conference, Mannheim, 2013.  
 EURO/INFORMS Conference, Rome, 2013.  
 Transatlantic Infraday, Washington DC, 2012.  
 CLEEN Law and Economics Workshop, Mannheim, 2011.  
 Competition and regulation in network industries, CRNI, Conference, Brussels, 2011.  
 IDEI Energy Conference, Toulouse, 2011.  
 International Association of Energy Economics IAEE conference, Stockholm, 2011.  
 Economic Science Association ESA Conference, 2011.  
 EARIE Conference, Stockholm, 2011.  
 Energy Economics Conference, Toulouse, 2010.  
 Applied infrastructure conference, Infraday, Berlin, 2009.  
 EARIE, Annual conference, Ljubljana, 2009.  
 Enerday Conference, Dresden, 2009.  
 Competition Law and Economics European Network, Tilburg, 2009.  
 The Netherlands network of economics (NAKE), research day, Utrecht, 2008.  
 Energy Forum, Stockholm, 2008.  
 Transatlantic Infraday, Resources for the Future, Washington DC, 2008.  
 Energy Conference, IDEI, Toulouse, 2008.  
 Transatlantic Infraday, University of Maryland, Washington DC, 2007.  
 EARIE conference, Valencia, 2007.  
 Infraday, TU-Berlin, Berlin, 2007.  
 ACLE-Conference, Conference on Strategic Firm Authority Interaction, Den Haag, 2007.  
 ENERDAY Energy Conference, Dresden, 2007.  
 IAEE European Conference, Florence, 2007.  
 First PhD-Meeting for economists, Royal Economic Society, London, 2006.  
 Research conference on Electricity Regulation and Restructuring, Berkeley, 2006.  
 International Industrial Organization Conference, Boston, 2006.  
 World Conference of the International Energy Economists Association, Potsdam, 2006.

Workshop on Energy Economics and Technology, Dresden, 2006.  
Annual Conference on Electricity Regulation, Florence, 2006.  
Climate Change Policy Conference, Leuven, 2005.  
Electricity Modeling Conference, Leuven, 2005.  
Conference on “The Economics of Electricity Markets”, Toulouse, 2005.  
European Conference of the International Energy Economists Association, Bergen, 2005.  
International Electricity Conference, Lodz, 2005.  
Research Symposium on European Electricity Markets, Den Haag, 2003.  
Seminar Benelux Association of Energy Economists, Brussels, 2002.  
Conference of the Energy Economics Association, Bergen, 2000.