

## Anthony Papavasiliou

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**PROFESSIONAL EXPERIENCE** **Université catholique de Louvain** January 2013 - Present  
Engie chair in Energy Economics and Management of Energy Risk, Center for Operations Research and Econometrics (CORE) and department of Mathematical Engineering, Université catholique de Louvain.

**University of California, Berkeley** October 2011 - December 2012  
Post-doctoral researcher in Industrial Engineering and Operations Research

**Consulting**  
n-Side, Pacific Gas and Electric, SunRun, Quantil

**Federal Energy Regulatory Commission, Washington DC** June - August 2009  
Research intern in division of policy development (supervisor: Dr. Richard P. O'Neill)

**XEROX Palo Alto Research Center, CA** June - August 2008  
Research intern (supervisors: Dr. Haitham Hindi, Dr. Daniel Greene)

**Energy, Environment and Economics Modeling Laboratory, National Technical University of Athens, Greece** June - August 2007  
Research intern (supervisor: Professor Pantelis Capros)

**EDUCATION** **University of California, Berkeley** December 2007 - October 2011  
Ph.D. in Industrial Engineering and Operations Research

**University of California, Berkeley** September 2006 - December 2007  
M.Sc. in Industrial Engineering and Operations Research

**National Technical University of Athens, Greece** September 2001 - 2006  
B.Sc. in Electrical and Computer Engineering (5 year curriculum)

**THESIS** *Coupling Renewable Energy Supply with Deferrable Demand*  
Advisor: Professor Shmuel S. Oren  
Committee members: Professor Phil Kaminsky, Assistant Professor Duncan Callaway  
This work studies the potential of demand-side flexibility to mitigate the impact of large-scale renewable energy integration on power system operations and generation reserve requirements.

## **PUBLICATIONS AND PATENTS** Peer-reviewed journal publications

*Accepted*

[32] I. Aravena, A. Papavasiliou, "Renewable Energy Integration in Zonal Markets", *accepted for publication in IEEE Transactions on Power Systems*.

[31] J. Han, A. Papavasiliou, "The Impacts of Transmission Topology Control on the European Electricity Network", *IEEE Transactions on Power Systems*, vol. 31, no. 1, pp. 496-507, January 2016.

[30] H. Le Cadre, A. Papavasiliou, Y. Smeers. "Wind Farm Portfolio Optimization

under Network Capacity Constraints”, European Journal of Operations Research, vol. 247, no. 2, pp. 560-574, December 2015.

[29] J. Han, A. Papavasiliou, “Congestion Management through Topological Corrections: A Case Study of Central and Western Europe (CWE)”, Energy Policy, vol. 86, pp. 470-482, November 2015.

[28] A. Papavasiliou, Y. He and A. Svoboda, “Self-Commitment of Combined Cycle Units under Electricity Price Uncertainty”, IEEE Transactions on Power Systems, vol. 30, no. 4, pp. 1690-1701, July 2015.

[27] A. Papavasiliou, S. S. Oren, B. Rountree, “Applying High-Performance Computing to Multi-Area Stochastic Unit Commitment for Renewable Energy Integration”, IEEE Transactions on Power Systems, vol. 30, no. 3, pp. 1109-1120, May 2015.

[26] A. Papavasiliou and S. S. Oren, “Large-Scale Integration of Deferrable Demand and Renewable Energy Sources in Power Systems”, IEEE Transactions on Power Systems, vol. 29, no. 1, pp. 489-499, January 2014.

[25] A. Papavasiliou and S. S. Oren, “Multi-Area Stochastic Unit Commitment for High Wind Penetration in a Transmission Constrained Network”, Operations Research, vol. 61, no. 3, pp. 578-592, May/June 2013.

[24] A. Papavasiliou, S. S. Oren and R. P. O’Neill, “Reserve Requirements for Wind Power Integration: A Scenario-Based Stochastic Programming Framework”, IEEE Transactions on Power Systems, vol. 26, no. 4, pp. 2197-2206, November 2011.

[23] R. P. O’Neill, K. Hedman, E. Kraal, A. Papavasiliou and S. S. Oren, “Economic Analysis of the N-1 Reliable Unit Commitment and Transmission Switching Problem Using Duality Concepts”, Energy Systems, vol. 1, no. 2, pp. 165-195, May 2010.

#### *Submitted*

[22] A. Papavasiliou, Y. Smeers, “Remuneration of Flexibility under Conditions of Scarcity: A Case Study of Belgium”, *submitted to Energy Journal*.

[21] A. Riascos, S. Oren, L. de Castro, S. Camelo, A. Papavasiliou, “A Structural Model to Evaluate the Transition from Self-Commitment to Centralized Unit Commitment”, *submitted to Energy Economics*.

#### **Peer-reviewed conference publications**

#### *Accepted*

[20] A. Papavasiliou, Y. Smeers, “Energy-Only Markets with Deferrable Demand”, 12th International Conference on the European Energy Market, Lisbon, Portugal, May 19-22, 2015.

[19] Y. Vardanyan, A. Papavasiliou, M. R. Hesamzadeh, “Hydropower Producer Day-Ahead Market Strategic Offering Using Stochastic Bi-Level Optimization”, best student paper award of the IAENG International Conference on Operations Research, Hong Kong, March 18-20, 2015.

[18] A. Aravena, A. Papavasiliou, “A distributed asynchronous algorithm for the two-

stage stochastic unit commitment problem”, IEEE Power and Energy Society General Meeting, Denver, CO, July 26-30, 2015.

[17] H. Le Cadre, I. Aravena, A. Papavasiliou, “Solar PV Power Forecasting Using Extreme Machine Learning and Experts Advice Fusion”, European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, Bruges, Belgium, April 22-24, 2015.

[16] A. Papavasiliou, S. S. Oren, I. Aravena, “Stochastic Modeling of Multi-Area Wind Production”, 48th Annual Hawaii International Conference on System Sciences, Kauai, HI, USA, January 5 - 8, 2015.

[15] A. Papavasiliou, S. S. Oren, Z. Yang, P. Balasubramanian, K. Hedman, “An Application of High Performance Computing to Transmission Switching”, IREP Bulk Power System Dynamics and Control Symposium, Rethymnon, Greece, August 25 - 30 2013.

[14] A. Papavasiliou, S. S. Oren, “A Comparative Study of Stochastic Unit Commitment and Security-Constrained Unit Commitment Using High Performance Computing”, European Control Conference, Zurich, Switzerland, July 17 - 19, 2013.

[13] A. Papavasiliou and S. S. Oren, “Integration of Contracted Renewable Energy and Spot Market Supply to Serve Flexible Loads”, Congress of the International Federation of Automatic Control, Milano, Italy, August 2011.

[12] A. Papavasiliou, H. Hindi and D. Greene, “Market-Based Control Mechanisms for Electric Power Demand Response”, Conference on Decision and Control, Atlanta, GA, December 2010.

[11] A. Papavasiliou and S. S. Oren, “Supplying Renewable Energy to Deferrable Loads: Algorithms and Economic Analysis”, IEEE Power and Energy Society General Meeting, Minneapolis, MN, July 2010.

[10] A. Papavasiliou, Y. Chen and S. S. Oren, “Environmental Regulation in Transmission Constrained Electricity Markets”, IEEE Power and Energy Society General Meeting, Calgary, Canada, July 2009.

[9] A. Papavasiliou, P. Kaminsky, I. Sidhu and S. S. Oren, “Renewable Energy Supply for Electric Vehicle Operations in California”, 32nd IAEE International Conference, San Francisco, CA, June 2009.

[8] A. Papavasiliou and S. S. Oren, “Coupling Wind Generators with Deferrable Loads”, IEEE Energy 2030 conference, Atlanta, GA, November 2008.

[7] A. Papavasiliou, S. Papathanassiou, S. Manias and G. Demetriades, “Control of a Voltage Source Inverter Connected to the Grid via an LCL Filter”, Power Electronics Specialists Conference, Orlando, FL, June 2007.

### **Technical reports**

[6] A. Papavasiliou, S. S. Oren, M. Junca, A. Dimakis, T. Dickhoff, “Coupling Wind Generators with Deferrable Loads”, 2008 CITRIS IT for Technology 3rd place prize, 2008 Big Ideas Energy and Environmental Innovation competition 2nd place prize.

[5] D. Crabtree, T. Faney, K. Koudigkelis, A. Papavasiliou, I. Sidhu, P. Kaminsky, B.

Tenderich, “Optimal Charging of Electric Vehicles”, Center for Entrepreneurship and Technology Technical Brief No. 2009.6.v.1.1, September 11, 2009.

[4] A. Papavasiliou, A. Lee, P. Kaminsky, I. Sidhu, B. Tenderich, S. Oren, “Electric Power Supply and Distribution for Electric Vehicle Operations”, Global Venture Lab Technical Brief #2008.2.v.1, November 21, 2008.

### Theses

[3] A. Papavasiliou, “Coupling Renewable Energy Supply with Deferrable Demand”, PhD thesis, University of California at Berkeley, October 2011.

[2] A. Papavasiliou, “Control of a Voltage Source Inverter Connected to the Grid via an LCL Filter”, undergraduate thesis (in Greek), National Technical University of Athens, Greece, July 2006.

### Patents

[1] Papavasiliou, Anthony, Haitham Ali Salem Hindi, and Daniel H. Greene. “Technique for aggregating an energy service.” U.S. Patent No. 8,818,889. 26 Aug. 2014.

### AWARDS

**Best publication in Energy, INFORMS** 2015  
“Multi-Area Stochastic Unit Commitment for High Wind Penetration in a Transmission Constrained Network”, Operations Research, vol. 61, no. 3, pp. 578-592, 2013.

**Full Award, Venture Lab Competition** 2010  
Student competition organized by UC Berkeley Center of Entrepreneurship and Technology.

**SPSP Fellowship** 2009  
Fellowship awarded by UC Berkeley Sustainable Products and Solutions program.

**Second place, Energy and Environmental Innovation competition** 2008  
Student competition organized by “Big Ideas @ Berkeley”.

**Third place, Information Technology for Society competition** 2008  
Student competition organized by “Big Ideas @ Berkeley”.

### FUNDING

[5] “Modeling the Value of Flexibility at Sub-Hourly Operating Time Scales”  
Sponsor: Electrabel  
Duration: January 2016 - December 2017  
Amount: €153,000

[4] “ColorPower”  
Sponsor: Electrabel  
Duration: January 2016 - December 2018  
Amount: €230,000

[3] “Study on the Remuneration of Production in Situations of Scarcity”  
Sponsor: Belgian Electricity and Gas Regulatory Commission (CREG)  
Duration: January 2015 - December 2016  
Amount: €46,625

[2] “Energy Economics and Management of Energy Risk”  
Sponsor: GDF-Suez  
Duration: January 2013 - February 2015  
Amount: €540,000

[1] “Application of High Performance Computing in Short-Term Scheduling of Electric Power Systems Under Uncertainty”  
Sponsor: Université catholique de Louvain  
Duration: November 2013 - October 2017  
Amount: €147,500

## TEACHING EXPERIENCE

**Instructor** Spring 2013-2016  
*Operations Research*, graduate course in UCL department of Mathematical Engineering.

**Instructor** Spring 2013-2016  
*Quantitative Energy Economics*, graduate course in UCL department of Mathematical Engineering.

**Instructor** Fall 2016  
*Project in Mathematical Engineering*, graduate course in UCL department of Mathematical Engineering.

**Instructor** Fall 2015  
*Quantitative Project*, graduate course in UCL Louvain School of Management.

**Erasmus+ Instructor** Spring 2016  
*Economics of Energy Markets*, 8-hour graduate course in the National Technical University of Athens, Greece.

**Erasmus+ Instructor** Fall 2015  
*Mathematical Programming*, 8-hour undergraduate course in the National Technical University of Athens, Greece.

**Graduate Student Instructor** Spring 2009  
*Nonlinear Programming*, graduate course in UC Berkeley IEOR department.

**Graduate Student Instructor** Spring 2008  
*Decision Analysis*, upper division course in UC Berkeley IEOR department.

## PRESENTATIONS

### 2016

- Danish Technical University Summer School on Uncertainty in Electricity Markets and System Operation, *An Asynchronous Distributed Subgradient Algorithm for Solving Stochastic Unit Commitment*, Copenhagen, Denmark, July 6, 2016 (invited).
- Workshop in Power Systems Computation Conference, *Solving Stochastic Unit Commitment at Industrial Scale Using Parallel Computing: A Case Study of Central Western Europe*, Genova, Italy, June 20, 2016 (invited).
- Workshop on Scarcity Pricing, *Remuneration of Capacity in Conditions of Scarcity in Belgium*, Council of European Energy Regulators, Brussels, Belgium, June 17,

2016 (invited).

- Workshop on Analysis and Applications of Stochastic Systems, *Solving Stochastic Unit Commitment In a High Performance Computing Environment*, National Institute for Pure and Applied Mathematics (IMPA), Rio de Janeiro, Brazil, March 31, 2016 (invited).
- Stanford Precourt Energy Institute and Management Science & Engineering seminar, *Managing the Uncertainty of Renewable Resources in Power System Operations*, Stanford University, Palo Alto, CA, February 22, 2016 (invited).

## 2015

- National Technical University of Athens, *Remuneration of Capacity in Conditions of Scarcity in Belgium*, Athens, Greece, December 4, 2015.
- Innovation in Energy Management conference, *Integrating Deferrable Demand in Electricity Markets*, Université catholique de Louvain, Louvain la Neuve, Belgium, November 19, 2015 (invited).
- INFORMS 2015, *Remuneration of Capacity in Conditions of Scarcity in Belgium*, Philadelphia, PA, November 3, 2015.
- INFORMS 2015 ENRE award ceremony, *Multi-Area Stochastic Unit Commitment for High Wind Penetration in a Transmission Constrained Network*, Philadelphia, PA, November 1, 2015.
- ECORES seminar, *Remuneration of Capacity in Conditions of Scarcity in Belgium*, KU Leuven, Leuven, Belgium, October 26, 2015 (invited).
- IEEE Power and Energy Society General Meeting, *Self-Commitment of Combined Cycle Units*, Denver, CO, July 28, 2015.
- International Symposium in Mathematical Programming, *Integrating Deferrable Demand in Electricity Markets*, Pittsburgh, PA, July 15, 2015.
- 12th International Conference on the European Energy Market, *Energy-Only Markets with Deferrable Demand*, Lisbon, Portugal, May 21, 2015.
- PhD Winter School in Energy Systems and Markets, *Integrating Deferrable Demand in Electricity Markets: an SDDP Approach*, Kvitfjell, Norway, March 23, 2015 (invited).

## 2014

- INFORMS 2014, *Efficiency Losses of Zonal Network Management under Large-Scale Renewable Energy Integration*, San Francisco, California, November 9, 2014 (invited).
- *A Stochastic Programming Framework for the Large-Scale Integration of Renewable Energy in Power Systems*, Georgia Institute of Technology, Atlanta, Georgia, November 6, 2014 (invited).
- *Congestion Management through Topological Corrections: A Case Study of Europe*, University of California at Berkeley, Berkeley, CA, November 4, 2014 (invited).
- IFORS 2014, *Self-Commitment of Combined Cycle Units under Electricity Price Uncertainty*, Barcelona, Spain, July 15, 2014 (invited).

- Workshop overview, *Providing Incentives for Capacity Investment in a Regime of Large-Scale Renewable Energy and Demand Response Integration*, GDF Suez headquarters, Brussels, Belgium, June 26, 2014 (invited).

## 2013

- Lectures on Electric Power Systems, *A Stochastic Programming Framework for the Large-Scale Integration of Renewable Energy in Power Systems*, ETH Zurich, Zurich, Switzerland, December 11, 2013 (invited).
- ECORE seminar, *Self-Commitment of Combined Cycle Units under Electricity Price Uncertainty*, KU Leuven, Leuven, Belgium, November 4, 2013 (invited).
- IBM Thomas J. Watson Research Center, *Applying High Performance Computing to Multi-Area Stochastic Unit Commitment*, Yorktown Heights, NY, USA, October 10, 2013.
- INFORMS 2013, *Applying High Performance Computing to Multi-Area Stochastic Unit Commitment*, Minneapolis, MN, USA, October 7, 2013.
- University of Liege, *Self-Commitment of Combined Cycle Units under Electricity Price Uncertainty*, Liege, Belgium, September 20, 2013 (invited).
- IREP Bulk Power System Dynamics and Control Symposium, *An Application of High Performance Computing to Transmission Switching*, Rethymnon, Greece, August 28, 2013.
- IEEE Power and Energy Society General Meeting, *A Computational Study of Stochastic Unit Commitment Using High Performance Computing*, Vancouver, Canada, July 23, 2013 (invited).
- ABB Corporate Research, *Applying High Performance Computing to Multi-Area Stochastic Unit Commitment for Renewable Integration*, Dättwil, Switzerland, July 19, 2013 (invited).
- European Control Conference, *A Comparative Study of Stochastic and Security Constrained Unit Commitment Using High Performance Computing*, Zürich, Switzerland, July 18, 2013 (invited).
- 26th European Conference on Operational Research, *Applying High Performance Computing to Multi-Area Stochastic Unit Commitment for Renewable Integration*, Rome, Italy, July 1, 2013 (invited).
- IEEE Greece Power and Energy Society Chapter, *Applying High Performance Computing to Multi-Area Stochastic Unit Commitment for Renewable Integration*, National Technical University of Athens, Athens, Greece, June 25, 2013 (invited).

## 2012

- University College Dublin Electricity Research Center, *Large-Scale Integration of Deferrable Demand and Renewable Energy in Power Systems*, Trinity College, Dublin, Ireland, November 22, 2012 (invited).
- Catholic University of Rio (PUC-Rio), *Large-Scale Integration of Deferrable Demand and Renewable Energy in Power Systems*, Rio de Janeiro, Brasil, November 14, 2012.
- PSR, *Large-Scale Integration of Deferrable Demand and Renewable Energy in Power Systems*, Rio de Janeiro, Brasil, November 13-14, 2012.
- Federal University of Rio de Janeiro (COPPE), *Applying High Performance Computing to Multi-Area Stochastic Unit Commitment for Renewable Integration*, Rio de Janeiro, Brasil, November 12, 2012.

- Electric Energy Research Center (CEPEL), *Large-Scale Integration of Deferrable Demand and Renewable Energy in Power Systems*, Rio de Janeiro, Brasil, November 12, 2012.
- INFORMS 2012, *Mitigating Price Uncertainty Induced by Wind Power through Stochastic Unit Commitment*, Phoenix, AZ, October 14 - 17, 2012 (invited).
- INFORMS 2012, *Applying High Performance Computing to Multi-Area Stochastic Unit Commitment for Renewable Integration*, Phoenix, AZ, October 14 - 17, 2012 (invited).
- International Symposium on Mathematical Programming, *Applying High Performance Computing to Multi-Area Stochastic Unit Commitment for Renewable Integration*, Berlin, Germany, August 19-24, 2012.
- IEEE Power and Energy Society General Meeting, *A Stochastic Unit Commitment Model for Integrating Renewable Supply and Demand Response*, San Diego, CA, July 25, 2012 (invited).
- 12th Conference of Probabilistic Methods Applied to Power Systems, *Stochastic Modeling of Multi-Area Wind Production*, Constantinople, Turkey, June 9 - 14, 2012 (**special paper section**).
- Staff Technical Conference on Increasing Real-Time and Day-Ahead Market Efficiency through Improved Software, *Applying High Performance Computing to Multi Area Stochastic Unit Commitment for Wind Penetration*, Washington, DC, June 25 - 27, 2012 (invited).
- Operations Research and Information Engineering Colloquium, *Large-Scale Integration of Deferrable Demand and Renewable Energy Sources in Power Systems*, Cornell University, Ithaca, NY, February 16, 2012 (invited).
- Communications, Networks and Systems Seminar, *Large-Scale Integration of Deferrable Demand and Renewable Energy Sources in Power Systems*, University of Southern California, Los Angeles, CA, February 1, 2012 (invited).

## 2011

- INFORMS, *Multi-Area Stochastic Unit Commitment for Wind Penetration in a Transmission Constrained Network*, Charlotte, NC, November 14, 2011 (**runner up, ENRE INFORMS student travel scholarship**).
- INFORMS, *Integration of Contracted Renewable Energy and Spot Market Supply to Serve Flexible Loads*, Charlotte, NC, November 13, 2011 (invited).
- Siemens Center for Knowledge Interchange project review, *Mitigating the Uncertainty of Renewable Energy Resources through Direct or Telemetric Coupling with Deferrable Loads*, U.C. Berkeley, September 16, 2011.
- IEEE Power and Energy Society General Meeting, *Integrating Renewable Energy Contracts and Wholesale Dynamic Pricing to Serve Flexible Loads*, Detroit, MI, July 24 - 28, 2011 (invited).
- Staff Technical Conference on Increasing Real-Time and Day-Ahead Market Efficiency through Improved Software, *Multi-Area Stochastic Unit Commitment for High Wind Penetration in a Transmission Constrained Network*, Federal Energy Regulatory Commission, Washington DC, June 28-30, 2011 (invited).
- Optimization in an Uncertain Environment Workshop, *Multi-Area Stochastic Unit Commitment for High Wind Penetration*, University of California at Davis, Davis, CA, March 25, 2011.



## **RESEARCH SUPERVISION**

### **PhD students**

- Ignacio Aravena Solis (November 2013 - present)
- Yuting Mou (November 2015 - present)
- Bertrand Gilles (September 2016 - present)

### **Past post-doctoral researchers**

- Dr. Jinil Han, research assistant professor at Seoul National University

### **Masters theses**

- Arnaud Fabri, The Value of Energy Storage in a Smart Grid
- Céline Gerard, Market Design for Distribution Grids
- Julien Vaes, Optimal Transmission Expansion Planning
- Ismail Ad'Oul, Impact of Innovative Storage Technologies for Enabling System Integration of Large Shares of Renewables
- Thomas Mercier, Optimization to Value Storage on Electrical Energy and Reserves Markets
- Quentin Laurent, Model Predictive Control of Wave Energy Converter
- Gilles Bertrand, Optimal Dispatch of Wind Farms Facing Market Prices
- Arnaud Cerckel, Valuation of Real-Time Flexiramp Products Using Stochastic Programming
- Alexandre Laterre, Distributed Algorithm for Optimal Power Flow on Multiphase Distribution Networks
- Nicolas Stevens, Models and Algorithms for Pricing Electricity in Unit Commitment
- Nicolas Vico, Hydro Power Management
- Quentin Voortman, Aggregation of Flexible Customers into Virtual Power Plants
- Kathleen Hemmer, Optimal Expansion of Transmission Networks
- Adrien Baland, Co-optimization of Gas Forward Contracts and Unit Commitment

## **SERVICE**

### **Journal referee**

- Operations Research
- Management Science
- European Journal of Operations Research
- Computational Management Science
- Computational Statistics
- Journal of Regulatory Economics
- IEEE Transactions on Power Systems
- IEEE Transactions on Smart Grid
- IEEE Power Engineering Letters
- Omega, the International Journal of Management Science

### **Technical program committees**

- 19th Power Systems Computation Conference, 2016

- IEEE EnergyCon, 2016

#### **Proposal referee**

- United States National Science Foundation, *Small Business Innovation Research*, 2016
- French National Research Agency, *Proper, secure and efficient energy*, 2016
- French National Research Agency, *Young researchers*, 2016
- French National Research Agency, *Proper, sure and efficient energy*, 2015
- General Secretariat for Research and Technology of Greece, *Aristeia II*, 2014
- General Secretariat for Research and Technology of Greece, *Aristeia I*, 2013

#### **PhD committees**

- Mehdi Madani (Université catholique de Louvain)
- Bartosz Filipecki (Université catholique de Louvain)
- Koen Verporten (Katholieke Universiteit Leuven)
- Kenneth Bruninx (Katholieke Universiteit Leuven)
- Sébastien Mathieu (Université de Liège)

#### **Conference reviewer**

- International Conference on the European Energy Market
- Hawaii International Conference on System Sciences
- American Control Conference
- IEEE SmartGridComm Symposium

#### **Conference organization**

- Member of the organizing committee of the CORE Bridging Gaps conference, Université catholique de Louvain, Louvain la Neuve, Belgium, May 23-27, 2016.
- Member of the organizing committee of the 30th annual meeting of the Belgian Operational Research Society, Université catholique de Louvain, Louvain la Neuve, Belgium, January 28-29, 2016.
- Member of the organizing committee of the 4th research workshop in Energy Economics, Benelux Association for Energy Economics, Université catholique de Louvain, Louvain la Neuve, Belgium, October 30, 2015.
- GDF Suez Chair inauguration workshop, *Providing Incentives for Capacity Investment in a Regime of Large-Scale Renewable Energy and Demand Response Integration*, Université catholique de Louvain, Louvain la Neuve, Belgium, June 3, 2014.

#### **MEDIA**

L’Echo interview, *The management of demand is by far preferable to capacity mechanisms*, July 11, 2014.

GreekTV interview on Arktos project, <http://www.greektv.com/videos/technology-videos/>, September 21, 2010.

Entrepreneurship Symposium, UC Berkeley and Hellenic Business Network, <http://www.youtube.com/watch?v=gY8vyZpRqcQ> and <http://www.youtube.com/watch?v=xpV2F10vJO4>, December 4, 2010.

**PUBLIC TALKS** University of California at Berkeley Cal Day, “Energy Research in IEOR”, April 16, 2011.

University of California at Berkeley Cal Day, “Energy Research in IEOR”, April 21, 2012.