

## NADIA AMELI

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### AREA OF EXPERTISE

Climate finance, financial networks, policy evaluation methods, financing schemes, renewables and energy efficiency investments, energy policy

### EDUCATION

- 2012 **PhD, Business Administration**, Polytechnic University of Marche (ITA) co-tutorship of a doctoral thesis University of California, Berkeley (US)  
Thesis: “**Design of Innovative Financing Model for Renewable Deployment: PACE (Property Assessed Clean Energy)**”
- Property Assessed Clean Energy [PACE] Financing Model: energy efficiency and solar energy financing plan that permit installation of clean energy systems on residences with no up-front costs.
- Award: Named by Scientific American as the #1 World Changing Idea of 2009**
- 2008 **MSc, Economy and Strategic Management** (*with distinction*), Polytechnic University of Marche (ITA)
- 2005 **BSc, Economics** (*with distinction*), Polytechnic University of Marche (ITA)

### GRANTS, FELLOWSHIPS AND AWARDS

- 2018 **ERC Starting Grant (LINKS)** ‘Kick-starting global climate investments: uncovering hidden links in climate finance and exploring dynamic evolution of investment networks for policy design (€1.5 million)
- 2017 **Horizon 2020 (H2020) EuroPACE** ‘Developing, piloting and standardizing on-tax financing for residential energy efficiency retrofits in European cities’. Research and Academic Partnerships Leader (€2.4 million)
- 2016 UCL GES Sea and Current Funds (£ 2,000)
- 2014 Selected for the Lindau Nobel Laureate Meeting (Economics)
- 2013 **Marie-Curie Fellowship, European Commission (€ 195,000)**
- 2012 **Winner CleanWeb Hackaton with “[Pool Me Up!](#)”**
- 2011 International Student Energy Summit Fellowship (ISES)
- 2010 IAEE Best Student Paper Award
- 2001 Winner Foundation for Young Entrepreneur Students (ITA)

### ACADEMIC AND RESEARCH EXPERIENCE

- 2016- **Senior Researcher Associate, University College London (UK)**  
Co-Leading the finance research area of two EU Horizon2020-funded projects *GREEN-WIN* and *RIPPLES*. Both projects focus on climate and sustainability finance policies and governance arrangements in order to contribute to overcoming financial barriers to mitigation and adaptation.
- 2013 - 2015 **Marie-Curie Fellow/Economist**, Green Growth Unit Economics Department OECD (FRA)
- 2009 - 2013 **Researcher**, Italian Association Energy Economics (AIEE) (ITA)
- 2012 - 2012 **Researcher**, Mitigation Innovation and Transformation Pathways (MITP), Fondazione Eni Enrico Mattei (FEEM), (ITA)

## **TEACHING**

- 2016- Lecturer UCL Institute of Sustainable Resources, UCL Energy Institute, UCL School of Construction & Project Management
- 2009 - 2010 Teaching Assistant, Polytechnic University of Marche (ITA)

## **SUPERVISION OF GRADUATE STUDENTS**

- 2016 - 2018 Co-supervisor for 2 PhD students, UCL Institute for Sustainable Resources  
Co-supervisor for a visiting PhD student, UCL Institute for Sustainable Resources  
Supervisor for 13 master students from UCL Energy Institute

## **ORGANISATION OF SCIENTIFIC MEETINGS/WORKSHOPS**

- 2017 Co-organiser of the Finance Workshop: “The risk transition: shifting investment to a low carbon economy”, UCL
- 2016 Co-organiser of the Finance Workshop: “Aligning finance with climate goals”, UCL

## **BUSINESS AND PRIVATE SECTOR EXPERIENCE**

- 2009 - 2011 Energy analyst (consultant), Loccioni Group (Italy)

## **PUBLICATIONS**

### **Forthcoming**

- Ameli N., P. Drummond, M. Grubb, S. Bisaro “Transforming insurer and pension fund investments in the low-carbon economy: perceived barriers and policy solutions” (under review)
- S. Bisaro, Ameli N., F. Schuetze, M. Grubb, P. Drummond “Leveraging public finance through private institutional investment” (under review)

### **Peer-reviewed journals**

Ameli N., M. Pisu and D. M. Kammen (2017) “Can the US keep the PACE? A Natural Experiment in Accelerating the Growth of Solar Electricity”, *Applied Energy* 191 (2017) 163–169. Featured in [Science](#)

Ameli N., N. Brandt (2015) “What impedes Household Investment in Energy Efficiency Retrofits?” *International Review of Environmental and Resource Economics* 8(1):101-138

Ameli N., N. Brandt (2015) “Determinants of households' investment in energy efficiency and renewables - Evidence from the OECD survey on household environmental behaviour and attitudes”, *Environmental Research Letters* 10 (2015) 044015

Ameli N., D. M. Kammen (2014), “Innovations in Financing that Drive Cost Parity for Long-term Energy Sustainability: An Assessment of Italy, Europe’s Fastest Growing Solar Energy Market”, *Energy for Sustainable Development* 19, 130-137

Ameli N., D. M. Kammen (2012), “Clean Energy Deployment: Addressing Financing Cost”, *Environmental Research Letters* 7 (2012) 034008

Ameli N., G. Gregori (2012), “Optimization Building Management”, *Journal of Energy and Power Engineering* 6, 391-396

### **Working papers, policy briefs and reports**

- Ameli N., P. Drummond, M. Grubb (2018). “Securing macro-economic gains from decarbonisation investment: the finance dimension and an Italian case study”. Policy Brief.
- Ameli N., A. Biancardi, P. Drummond, M. Grubb, L. Paroussos, V. Zoi, K. Fragkiadakis, P. Fragkos, A. Mandel (2017). Stylised models of relative rates of return, technology co-benefit / spillover effects, multiplier and leverage effects for key sectors. GREEN-WIN Working paper.

- Drummond P., N. Ameli, M. Grubb (2017). “Financing the Low-carbon Transition: Current Landscape and Future Direction”. Policy Brief.
- Catenacci M., E. Verdolini, V. Bosetti, G. Fiorese, N. Ameli (2012) “Going Electric: Expert Survey on the Future of Battery Technologies for Electric Vehicles”, FEEM Working Paper.
- Ameli N., D. M. Kammen (2012), “Does Income Distribution Affect Energy Investments?”, Review of Environment Energy and Economics, Re3 Energy, FEEM Publishing.
- Ameli N., D.M. Kammen (2012), “The Linkage Between Income Distribution and Clean Energy Investments: Addressing Financing Cost”, FEEM Working Papers vol 10, FEEM Publishing.
- Ameli N., D. M. Kammen (2011), “PACE per il Clima”, Qualenergia vol 6, pp 67-71.
- Ameli N., D. M. Kammen (2010), “Energy Efficiency and Renewable Energy Financing Districts”, Nuova Energia vol 5, pp 56-63.

### **Journal referee**

Environmental Research Letters, Applied Energy, Energy, Resource and Energy Economics, Energy Policy, Climate Policy, Technological Forecasting & Social Change, Energy for Sustainable Development, Sustainable Energy Technologies and Assessments, Resources.

### **CONFERENCES AND SEMINAR PRESENTATIONS**

- 2018 41<sup>st</sup> Annual IAEE Conference “Transforming Energy Markets”, Groningen;
- 2017 Florence School of Regulation (FRS) Climate Annual Conference (EUI); **Webinar GGKP “Can We Achieve Economic Development & Climate Goals Together? Applying Win-Win Strategies” (invited)**; 40<sup>th</sup> Annual IAEE Conference “Meeting the Energy Demands of Emerging Economies, Implications for Energy and Environmental Markets”, Singapore; 3<sup>rd</sup> International Conference on Public Policy (ICPP3), Singapore;
- 2016 **University of Siena (invited speaker)**;
- 2015 **Center for North South Economic Research (CRENoS) Salsomaggiore University (invited speaker)**; **Center for Energy Policy and Economy (CEPE) ETH University (invited speaker)**; **University of Bologna (invited speaker)**; **University of Venice Ca’ Foscari (invited speaker)**; 3<sup>th</sup> Annual Conference of Green Growth Knowledge Platform, Venice;
- 2014 14<sup>th</sup> International Association Energy Economics European Conference “Sustainable Energy Policies and Strategies for Europe”, Rome; OECD, brown bag seminar series;
- 2012 12<sup>th</sup> International Association Energy Economics European Conference “Energy Challenge and Environmental Sustainability”, Venice; **2<sup>th</sup> Concerted Action, “Energy Performance of Buildings Directive”, Copenhagen (invited speaker)**; FEEM – Fondazione Eni Enrico Mattei;
- 2011 **“Energy Efficiency: Global Innovative Policies and Instruments”, Rome, Technical Meeting in order to implement the PACE policy in Italy at ENEA in collaboration with Ministry of Economic Development; Ministry for the Environment, Land and Sea; Ministry of Treasury**; ISES International Student Energy Summit, Vancouver; IAFOR ACSEE 2011 “The Asian Conference on Sustainability, Energy and Environmental”, Japan; University of California, Berkeley ERG group (Energy and Resources Group);
- 2010 7<sup>th</sup> British Institute of Energy Economics, “Energy in a Low Economy: New Roles for Government and Markets”, St John’s College Oxford; 11<sup>th</sup> International Association Energy Economics European Conference “Energy Economy, Policies, and Supply Securities:

Surviving the Global Economic Crisis”, Vilnius; University of California, Berkeley ERG group (Energy and Resources Group).

### **INSTITUTIONAL RESPONSIBILITIES**

2017 Institute manager of the Bloomberg Lab at UCL  
Member of Organising Committee Energy & Resource Economics Group (UCL)  
2013 – 2015 Member of the OECD workgroup on “Gender equality”, OECD  
2009 – 2013 Representative of the Energy Economics area at the IAEE  
2009 – 2010 Student representative of young researchers at the IAEEs’ council

### **MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS**

Since 2014 Lindau Alumni (Lindau Nobel Laureate Economics)  
Since 2012 Associate member, Marie Curie Fellows Association “Researchers without frontiers”  
Since 2011 Associate member, International Association Energy Economics (IAEE); Italian Association Energy Economics (AIEE)  
Since 2009 Alumni and Associate member, the Renewable Energy and Appropriate Laboratory, UC Berkeley

### **LANGUAGES**

Italian (mother tongue), English (Fluent), French (Intermediate)

### **COMPUTER SKILLS**

Office, STATA, Xcelsius

### **REFERENCES**

Prof. Michael Grubb  
Institute for Sustainable Resources UCL  
[m.grubb@ucl.ac.uk](mailto:m.grubb@ucl.ac.uk)

Prof. Daniel M. Kammen  
Energy and Resources Group, UC Berkeley  
[kammen@berkeley.edu](mailto:kammen@berkeley.edu)

Prof. Walid Oueslati  
Environmental Department, OECD  
[walid.oueslati@oecd.org](mailto:walid.oueslati@oecd.org)

Dr. Mauro Pisu  
Economics Department, OECD  
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