

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

- 2019 **EAERE Award for ERC Grants laureates** in the field of environmental and resource economics
- 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)
- 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 Italy 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

- 2019- **Principal Research Fellow (Faculty from 2024), University College London**
PI LINKS, ERC Starting Grant
EPSRC project “Decarbonising Transport Networks Plus”
- 2016 - 2019 **Senior Researcher Associate, University College London**
Co-Leading the finance research area of two EU Horizon2020-funded projects *GREEN-WIN* and *RIPPLES*
- 2013 - 2015 **Marie-Curie Fellow/Economist**, Green Growth Unit Economics Department OECD
- 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)

DOCTORAL DISSERTATION ADVISEES (UCL)

- 2019 - Sumit Kothari (ISR) “Modelling the financial aspects of energy transition for low-carbon economies”
- 2018 - Isabelle Rojon (EI) “Financing the low-carbon transition of the shipping industry”
Guy Lipman (EI) “Managing the financial uncertainties affecting wind and solar generators”
- 2017 - Dongyang Pan (ISR) “Green financial policy and sustainable development in China: insights from general equilibrium modelling and policy pilots”

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., S. Kothari, G. Livani, G. Caldarelli “The hidden structure of energy efficiency investment” (under review)

Peer-reviewed journals

Ameli N., P. Drummond, S. Bisaro, M. Grubb, H. Chenet (2019) “Climate finance and disclosure for institutional investors: why disclosure is not enough”, *Climatic Change* doi.org/10.1007/s10584-019-02542-2

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

- Winning M., N. Ameli, A. Sniegocki, Z. Wetmanska, M. Bukowski, M. Grubb, O. Dessens, A. Calzadilla, G. Anandarajah, J. Cronin (2019). Quantitative and qualitative analysis of the financial system implications of decarbonisation. Working paper.
- 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. 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.

Editorial Board

Since 2018 [Environmental Research Communication](#)

Journal referee

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

Project proposal referee

Since 2018 Referee Member of the National Research Programmes MIUR/PRIN (Italy)

CONFERENCES AND SEMINAR PRESENTATIONS

2019 Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA), London;
24th Annual EAERE Conference, Manchester (invited); International Institute of Green Finance (IIFG) CUF, China (invited);

2018 41st 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)**; 40th Annual IAEE Conference “Meeting the Energy Demands of Emerging Economies, Implications for Energy and Environmental Markets”, Singapore; 3rd International Conference on Public Policy (ICPP3), Singapore;
- 2016 **University of Siena (invited)**;
- 2015 **Center for North South Economic Research (CRENoS) Sassari University (invited)**; **Center for Energy Policy and Economy (CEPE) ETH University (invited)**; **University of Bologna (invited)**; **University of Venice Ca’ Foscari (invited)**; 3th Annual Conference of Green Growth Knowledge Platform, Venice;
- 2014 14th International Association Energy Economics European Conference “Sustainable Energy Policies and Strategies for Europe”, Rome; OECD, brown bag seminar series;
- 2012 12th International Association Energy Economics European Conference “Energy Challenge and Environmental Sustainability”, Venice; **2th Concerted Action, “Energy Performance of Buildings Directive”, Copenhagen (invited)**; 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 7th British Institute of Energy Economics, “Energy in a Low Economy: New Roles for Government and Markets”, St John’s College Oxford; 11th 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 2018 Global Research Alliance for Sustainable Finance and Investment
- 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

Maternity break November 2018 – June 2019

REFERENCES

Prof. Michael Grubb (m.grubb@ucl.ac.uk), Institute for Sustainable Resources UCL

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

Dr. Walid Oueslati (walid.oueslati@oecd.org), Environmental Department OECD

Dr. Mauro Pisu (mauro.pisu@oecd.org), Economics Department OECD