

EBRU SUSUR

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Short biography

Dr Ebru Susur currently works as Assistant Professor in Innovation Studies at Universidad Politécnica de Madrid. Dr Susur received her PhD. Degrees in Industrial Management from Universidad Politécnica de Madrid, and in Management, Economics and Industrial Engineering from Politecnico di Milano. Her research interests are centred on transitions, experimentation, and business models for sustainability, circular economy, and digitalization. She explores and works with different theoretical and methodological perspectives in the pursuit of understanding and explaining complex phenomena.

Besides her academic experience, she undertook a variety of international projects in multi-national teams before starting her academic career. She worked as a qualified consultant and engineer on European Union environmental approximation studies and sustainable management for more than 6 years. She accumulated professional experience in project management, business development, environmental legislation, capacity and institutional building. Most of these studies were executed within international consortiums under the supervision and management of international agencies such as the European Union and World Bank.

Research topics

Experimentation, transitions, business models, actor-networks | Sustainability, circular economy, digitalization, industrial ecosystems | Research methodology, reflexivity, discourse analysis.

Education

PhD in Industrial Management at Universidad Politécnica de Madrid, Spain [Dec 2019]
PhD in Management, Economics and Industrial Engineering at Politecnico di Milano, Italy [Dec 2019]
MSc in Management and Engineering of Environment and Energy, Universidad Politécnica de Madrid, Spain [Julio 2014]
MSc in Mechanical Engineering, KTH Royal Institute of Technology, Sweden [April 2013]
MSc in Project Management for Environmental and Energy Engineering, École des Mines de Nantes, France [Oct 2012]
BSc in Environmental Engineering, Middle East Technical University, Turkey [June 2007]

Academic and professional experience

Tenure Track Assistant Professor, Innovation Studies, Department of Industrial Engineering, Business Administration and Statistics, Universidad Politécnica de Madrid, Spain [March 2021 – ongoing]
Postdoctoral Researcher, Department of Industrial Economics and Management (INDEK), KTH Royal Institute of Technology, Sweden [October 2020 – March 2021]
Research Fellow, Department of Industrial Engineering, Business Administration and Statistics, Universidad Politécnica de Madrid, Spain [July 2020 – October 2020]
Tenure Track Assistant Professor, Innovation Studies, Copernicus Institute of Sustainable Development, Faculty of Geosciences, Utrecht University, The Netherlands [April 2020 – July 2020]

Postdoctoral Researcher, Department of Industrial Engineering, Business Administration and Statistics, Universidad Politécnica de Madrid, Spain [Jan 2020 – April 2020]

Doctoral Researcher, Department of Industrial Engineering, Business Administration and Statistics, Universidad Politécnica de Madrid, Spain [Oct 2017– Dec 2019 and Oct 2015 – Oct 2016]

Doctoral Researcher, Department of Management, Economics and Industrial Engineering, Politecnico di Milano, Italy [Oct 2016 – Oct 2017]

Business Development and Projects Coordinator, io Environmental Solutions Research & Development Company, Turkey [Oct 2013 – Oct 2014]

Expert-Environmental Engineer, INERCO, Turkey [July 2013-Oct 2013]

Expert-Environmental Engineer, Royal HaskoningDHV, Turkey [Feb 2013 – Oct 2013]

Business Development and Projects Engineer, KMO Consulting, Turkey [Feb 2012 – Sep 2013]

Business Development Analyst, KMO Consulting, Turkey [Feb 2010 – Sep 2010]

Design and Business Development Engineer, Tempo Engineers and Consultants, Turkey [July 2007 – Sep 2009]

Teaching and supervision experience

Coordinator and Lecturer in the Master course ‘Foundations of Innovation Management’, Universidad Politécnica de Madrid [March 2021 – ongoing]

Lecturer in the Master course ‘Entrepreneurship and Business Modelling’, Universidad Politécnica de Madrid [March 2021 – ongoing]

Lecturer in the Master course ‘Fundamentals of Business Administration’, Universidad Politécnica de Madrid [March 2021 – ongoing]

Coordinator and Lecturer in the Master course ‘Research Methodology’, Universidad Politécnica de Madrid [Oct 2018 – ongoing]

Lecturer in the Master Course ‘Consultancy Project’, Utrecht University [April 2020 – July 2020]

Guest Lecturer in the Master Course ‘Economics, Organization and Management of Technological Innovation’, Universidad Politécnica de Madrid [Oct 2018 – Nov 2019]

Lecturer in the Bachelor Course ‘Operations and Production Management’, Universidad Politécnica de Madrid [Feb 2019 – June 2019]

Lecturer in the Master Course ‘Sustainability Transitions and Circular economy’, Universidad Politécnica de Madrid [Feb 2018]

Guest Lecturer in Master Course ‘Industrial Eco-efficiency’, Politecnico di Milano [Oct 2017]

Evaluator in Bachelor’s Course ‘Business Game – Management Engineering’, Politecnico di Milano [June 2016 – Oct 2019]

Supervisor, MSc Thesis on ‘Circular economy experiments for established firms to transform from a linear to circular business - a business model perspective, KTH Royal Institute of Technology, Sweden [Feb 2021 – ongoing]

Supervisor, MSc Thesis on ‘Sustainable business model innovation in the food industry’, Universidad Politécnica de Madrid, Spain [Feb 2020 – September 2020]

Supervisor, MSc Thesis on ‘The role of intergovernmental organisations in energy transitions’, Universidad Politécnica de Madrid, Spain [Feb 2020 – September 2020]

Supervisor, MSc Thesis on ‘A Technological Innovation Systems Perspective to New Product Development and Introduction, Universidad Politécnica de Madrid, Spain [Jan 2020 – ongoing]

Supervisor, MSc Thesis on ‘Eco-industrial park development in Italy: A Strategic niche management perspective’, Politecnico di Milano, Italy [Feb 2018 – September 2018]

Supervisor, MSc Thesis on ‘Regional circular economy practices in Spain: An Agent-based modelling perspective’, Universidad Politécnica de Madrid, Spain [Feb 2018 – July 2018]

Academic service

Master Thesis Coordinator, International Master in Industrial Management, Universidad Politécnica de Madrid [November 2020 - ongoing]

Reviewer, Resources, Conservation and Recycling [March 2020 – ongoing]

Reviewer, Journal of Cleaner Production [March 2017 – ongoing]

Reviewer, Energy Research & Social Science [December 2018 – ongoing]

Reviewer, Journal of Environmental Management [August 2019 – ongoing]

Member, The Network of Early Career Researchers in Sustainability Transitions (NEST) [April 2017 – ongoing]

Honours

EACEA, Full funding for double degrees (Erasmus Mundus) for MSc and PhD Studies from Education, Audiovisual and Culture Executive Agency (EACEA) of the European Commission [Sep 2010 – Sep 2012 and Oct 2015 – Oct 2019]

Publications

Susur, E., Karakaya, E., 2021. A reflexive perspective for sustainability assumptions in transition studies. *Environmental Innovation and Societal Transitions* 39, 34-54. [JCR Q1] <https://doi.org/10.1016/j.eist.2021.02.001>

Susur E., Hidalgo, A., 2020. La función de aprendizaje en la experimentación de los ecosistemas industriales. *Economía Industrial* 416 - 416, pp. 39 - 46. ISSN 0422-2784.

Susur E., Hidalgo, A., 2020. La transición sostenible como soporte de los ecosistemas industriales. *Economía Industrial* 416 - 416, pp. 39 - 46. ISSN 0422-2784.

Susur, E. (2019). *Unfolding industrial ecosystems: Conceptualisation and analysis from a strategic niche management perspective*. Madrid: Printed in Spain by Universidad Politecnica de Madrid. <http://oa.upm.es/57539/>

Susur, E., Hidalgo, A., Chiaroni, D., 2019. The emergence of regional industrial ecosystem niches: A conceptual framework and a case study. *Journal of Cleaner Production* 208, 1642-1657.[JCR Q1, ABS2] <https://doi.org/10.1016/j.jclepro.2018.10.163>

Susur, E., Martin-Carillo, D., Chiaroni, D., Hidalgo, A., 2019. Unfolding eco-industrial parks through niche experimentation: Insights from three Italian cases. *Journal of Cleaner Production* 239. [JCR Q1, ABS2] <https://doi.org/10.1016/j.jclepro.2019.118069>

Susur, E., Hidalgo, A., Chiaroni, D., 2019. A strategic niche management perspective on transitions to eco-industrial park development: A systematic review of case studies. *Resources, Conservation and Recycling* 140, 338-359. [JCR Q1] <https://doi.org/10.1016/j.resconrec.2018.06.002>

Participated academic events

The 80th Annual Meeting of the Academy of Management 2020. *Article: A critical review of ‘sustainability’ assumptions in the transitions literature*.

The 5th International Conference on New Business Models, 2020. *Article: Interaction between circular business models and circular economy transitions: Towards a conceptual framework*.

Annual Conference of ScAIEM – *Scandinavian Academy of Industrial Engineering and Management*, 2019. *Article: Engaging organisations to sustainability transitions from an integrated socio-technical systems perspective. Invited panel member at the Seminar on Qualitative research methods: perspectives, dilemmas, and open questions. Presented debate: Theory as a method?*

The 13th Regional Innovation Policies Conference 2018 (RIP2018), Bergen, Norway. *Article: A cross-case study on regional circular economy development: A strategic niche management perspective.*

5th Annual IE Doctoral Consortium, Madrid, Spain, 2018. *Article: Socio-technical systems: Exploring and inter-relating sustainability transitions and organisation development research.*

Eu-SPRI Early Career Research Conference (ECC): “Science, Technology and Innovation: New challenges and practices”, PhD DAYS INGENIO 2018, Valencia, Spain. *Article: Regional differences on the emergence of regional industrial ecosystems.*

4th Geography of Innovations Conference, Barcelona, Spain, 2018. *Article: Strategic niche management for industrial ecosystems: A cross-case study on management of synergy-based initiatives in Catalonia and Basque Country.*

2nd PhDs in Transitions Conference, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland, 2017. *Article: Industrial symbiosis steering for transitions? A multilevel perspective.*

Transformative Innovation Policy Workshop, Areces Foundation, Madrid, Spain, 2017. Under the coordination of the Science Policy Research Unit (SPRU) of the University of Sussex, many institutions including GRINEI / UCM, the Copenhagen Business School, the University of Oslo, the University of Twente, the University of Paris East and the University of Athens and the Technological University of Eindhoven participated.

Eu-SPRI Winter School at University of Sussex on Innovation policy for Transformative Change, 2017. This winter school triggered and facilitated the state-of-the-art debates about the ‘transformative change’ frame of science, technology and innovation (STI) policy and its associated practices. Through seminars and discussions, we explored conceptual underpinnings and its connections and departures from conventional STI policy. *Presented study: Academic blog post - Does incrementality or radicality really matter? May Cumulative incremental steps drive for sustainability transitions?*

INGENIO PhD Days Eu-SPRI Forum Early Career Researcher Conference (ECC): “Science, Innovation and the University: keys to social impact”, 2016. *Article: Thinking on linkages of innovation systems to sustainable local industrial systems: A focus on eco-industrial development.*