



How to Design and Planning Supply Chain Towards Sustainability Goals?

Prof. Ana Paula Barbosa-Povoa
Universidade de Lisboa

22 May 2019, 3pm, Seminar Room RODH C617

Abstract: Today organizations long-term success is built not only on profitability but also on its contribution to society. Organizations are then pressured to design and plan their supply chains towards sustainability goals. In this seminar the concept of sustainable supply chains is discussed and the use of optimization methods as tools to support decisions on how to design and planning such systems is explored. Real case examples, studied by the Operations and Logistics Group of the Centre for Management Studies at Instituto Superior Técnico (IST), University of Lisbon are presented and analyzed. Perspectives in the area are discussed and important challenges identified, which may drive research in sustainable supply chains.

Bio: Ana Barbosa-Póvoa is a Full Professor in Operations and Logistics, at the Engineering and Management Department of Instituto Superior Técnico (IST), University of Lisbon. She holds a PhD from the Imperial College of Science Technology and Medicine and her research focus is on developing a comprehensive understanding of complex problems in supply chains and operations management, supported by novel and sound engineering systems models and techniques. Sustainability, resilience, uncertainty and risk in the design and planning of supply chains are among the main research addressed domains. Ana has created and coordinates the research group in Operations Management and Logistics (OpLog) at the Centre for Management Studies of IST. Her research has led to several national and international awards having received recently the honour of being considered the best researcher in Industrial Management at the University of Lisbon. She is a member of the Computer Aided Process Engineering Working Party of the European Federation of Chemical Engineers and a founder member of the Euro Working Group in Sustainable Supply Chains of the European Association of Operational Research – where she is currently part of the coordination team. She is an associated editor of the Computers and Chemical Engineering Journal and a member of European Journal of Operational Research and Process engineering and energy – Frontriers, editorial boards.

Prof. Rafiqul Gani (Technical University of Denmark)

Synthesis, design and analysis of energy efficient sustainable process alternatives

13 February 2019, 11am, RODH C617

Prof. Michail Georgiadis (Aristotle University of Thessaloniki)

Recent Developments in the Optimisation of Energy and Production Systems

13 March 2019, 3pm, RODH C617

Prof. Iqbal Mujtaba (University of Bradford)

Water - The Global Challenge and Everybody's Business: Social & Technological Perspective

20 March 2019, 3pm, LT3 RODH C617

Prof. Marianthi Ierapetritou (Rutgers University)

Surrogate-Based Modeling and Optimization for Advanced Decision Making

27 March 2019, 11am, RODH C617

Prof. Daniel Kuhn (École polytechnique fédérale de Lausanne)

Data-Driven Distributionally Robust Optimization

10 April 2019, 11am, RODH C617

Prof. Costas Pantelides (Imperial College London)

Digitalization in the process industries: substance beyond the hype?

1 May 2019, 10am, RODH C617

Prof. Ana Barbosa-Povoa (University of Lisbon)

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The seminars will take place at Imperial College London, Chemical Engineering Department

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Dr. Cristina Bertulli (c.bertulli@imperial.ac.uk)