Politecnico di Torino

Dipartimento di Ingegneria Gestionale e della Produzione

INTERESTS FROM DEPARTMENT OF MANAGEMENT AND PRODUCTION ENGINEERING – DIGEP

IN THE UPCOMING MISSIONS:

- HORIZON-HLTH-2024-CARE-14-01: pre-commercial procurement for environmentally sustainable, climate neutral and circular health and care systems

HORIZON-HLTH-2024-CARE-14-01: PRE-COMMERCIAL PROCUREMENT FOR ENVIRONMENTALLY SUSTAINABLE, CLIMATE NEUTRAL AND CIRCULAR HEALTH AND CARE SYSTEMS

Andrea Tuni

Politecnico di Torino - Department of Management and Production Engineering

Contact information:

Email: andrea.tuni@polito.it

Phone-number: +39 3444173966

Provided Expertise

- **Sustainable supply chain management**: economic, environmental and social performance assessment of supply chains; governance mechanisms of multi-tier supply chains;
- **Supply chain optimization**: integrated optimization of linear and circular supply chains, including facility location problems and transportation flows problems
- **Sustainable logistics**: fleet mix optimization problems including environmental considerations; vehicle routing problems with environmental considerations;
- **Circular supply chain management**: circular supply chain design; closed-loop supply chain design; reverse logistics optimization; circularity performance assessment;
- **Circular business models**: creating, delivering and capturing value in the circular economy by cycling, intensifying and extending products; risk assessment of circular business models;
- **Multi-criteria decision support systems**: integration of qualitative and quantitative criteria to support decision-making, with a focus on multi-criteria sustainability decision-making,

Relevant projects

- **Growing Effective & Equitable Nature-based Solutions through Inclusive Climate Actions**: The project aims to assess the performance of inclusive climate actions in five European cities that face different climate change impacts and that are rooted in different planning systems to identify institutional conditions and design principles under which inclusive climate actions can flourish, helping the uptake of nature-based solutions.
- **Circular Economy Framework for Weir Group Equipment:** The project developed a circular economy (CE) framework, which allowed Weir to use ESG metrics to measure benefits of a CE approach compared to Weir's current end-of-life (EoL) methods, including economic, environmental and circularity performance.
- **Large scale demonstration of new circular economy value-chains based on the reuse of end-of-life fiber reinforced composites**: The H2020 FiberEUse research project aimed at integrating in a holistic approach different innovation actions aimed at enhancing the

profitability of composite recycling and reuse in value-added products, including the evaluation of the robustness of the innovative circular economy business models.

HORIZON-HLTH-2024-CARE-14-01:PRE-COMMERCIAL PROCUREMENT FOR ENVIRONMENTALLY SUSTAINABLE, CLIMATE NEUTRAL AND CIRCULAR HEALTH AND CARE SYSTEM

Elisabetta Raguseo

Politecnico di Torino - Department of Management and Production Engineering

Contact information:

Email: elisabetta.raguseo@polito.it

Phone-number: +39 0110907577

Provided Expertise

- SOCIO-ECONOMIC IMPACT of digital technologies (Artificial Intelligence, Big Data Analytics, etc)
- IMPACT ASSESSMENT OF DIGITAL TECHNOLOGIES on industries, companies' processes, strategies and workforces
- SKILL GAP ASSESSMENT: Identifying and addressing skill gaps in the digital age
- DIGITAL TECHNOLOGIES and BUSINESS MODEL TRANSFORMATION: new ways of creating and capturing value
- DECISION-MAKING processes of innovative startups: Impacts of different approaches on their outcomes
- DESIGN OF INNOVATIVE learning experiences
- SURVEY research and analyses
- ECONOMETRIC modelling and analyses

Relevant projects

- 01/2023 to date. Scientific coordinator of the project "INFINITY" (ID 23016) financed by the EIT Manufacturing – EITM and co-financed by the European Commission - Progetto RE - HORIZON 2020. The aim is developing learning path for fostering circular economy skills in manufacturing for employees, professionals and vocational learners.
- 07/2022 – 09/2024. Scientific coordinator for DIGEP of the project "Accelerating Sustainable Hydrogen Uptake Through Innovation and Education" financed by the EIT

InnoEnergy and co-financed by the European Commission - Progetto RE - HORIZON 2020. The project has the aim of developing learning path and training for accelerating sustainable hydrogen uptake. It is an EIT HEI Initiative – Innovation Capacity Building for Higher Education.

- 03/2022 – 02/2023. Scientific coordinator of the project "Digital transformation in tourism" financed by AIAV association.