



## 2<sup>nd</sup> IEOM European Conference on Industrial Engineering and Operations Management Paris, France, July 26–27, 2018

### Special Track: System Dynamics

#### Objective:

System Dynamics (SD) is an aspect of systems theory as an approach and method to understanding the nonlinear behavior of complex systems over time. It is a methodology and mathematical modeling technique to frame, understand and discuss issues and problems. Using the system thinking and systemic approach for the analysis of the problems gives us a deeper understanding of their causal reasons. The main aim of this track is creating a context to presenting the effective solutions, based on system thinking for resolving the problems in industrial engineering and in all level of organization, from operations to strategy and improving the mental model of decision makers. It can improve understanding of the problems and especially the side effect of our suggested solution, calls for us to consider impacts of accumulation, feedback, and time delays while systematically evaluating policies for sustainable business practices, resource use, health care, and prosperity. We invite seasoned practitioners and researchers to share their important contributions to this track.

#### Main Threads and Topics:

System Dynamics Modeling and Simulation Approaches for problems in:

- Business
- Economics
- Environment
- Energy
- Health
- Operations
- Public Policy
- Resources
- Strategy

#### Session Members:

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