

Special Issue – Call for Paper

The Special Issue on **New trends of simulation and process modeling in multiple domains: from business and production to healthcare, defense and environmental sustainability** deals with the use of Modeling and Simulation (M&S) to support design and management of complex systems in multi-disciplinary domains.

Nowadays, innovations and improvements are needed to react quickly to the new trends of the global economy as well as to the financial crises that is acting in many countries. On the contrary, innovations that involve multi-disciplinary domains are also needed by developing countries to drive correctly and effectively their growth. In this sense, M&S is playing a crucial role as enabling methodology in different sectors therefore authors are invited to submit novel researches and we welcome papers that brings together current theory and practice.

The special issue will be based on best papers submitted and presented at the International Multidisciplinary Modeling & Simulation Multiconference (I3M 2015). However, also external papers are welcome.

Only high-quality, original scientific contributions will be considered and selected for publication. The special issue focuses, but is not limited, on the following topics:

- **Business**
 - Simulation for Financial Planning
 - Risk Management by Modeling & Simulation
 - Business Process Engineering and Simulation
 - Modeling & Simulation of Economic Systems
 - Simulation in Finance and Finance Services
 - Simulation in Project Management

- **Production & Logistics**
 - Modeling & Simulation in Manufacturing
 - Modeling & Simulation for the Industry Services
 - Simulation and Scheduling
 - Industrial and Processes Modeling & Simulation
 - Supply Chain Management
 - Supply Chain Risk and Vulnerability Management
 - Modeling & Simulation in Logistics, Traffic and Transportation
 - Supply Chain and Extended Enterprises Emergency Management
 - Production systems design in food industry

- **Healthcare**
 - Virtual Reality in surgical procedures
 - Virtual Reality for the treatment of disorders and/or rehabilitation
 - Virtual Reality for development and validation of medical simulators
 - Simulation in the context of diagnostics
 - Simulation of emergency procedures (disaster gaming)
 - Simulation of disease proliferation
 - Disease management
 - Modelling and simulation in bio-systems and biomechanics
 - Computer aided diagnostics and therapy
 - Cellular and Molecular Models in Medicine

- **Defense**

Real Time Simulation
Simulation for Training
Virtual Humans
Military Applications
Netcentric Warfare Simulation
Interoperable Simulation
Dismounted Soldier Simulation

- **Environment sustainability**
Environmental impact of the coal industry
Environmental impact of hydraulic fracturing
Climate change
Conservation
Energy
Environmental degradation
Environmental health
Pollution
Waste

Instructions for Manuscript Preparation

- For manuscript formatting and other guidelines, please visit the **Author guidelines**.

Due Dates

Submission for full papers:	Jan 15, 2016
Notification of Acceptance	April 30, 2016
Expected date of publication:	TBD. Papers will be published online as soon as accepted.

Submissions for Full Paper Review

All manuscripts must be submitted electronically through the paper submission system at http://www.inderscience.com/info/inauthors/author_submit.php

Please note in your online cover letter that your submission is for this special issue.

Please contact the Guest Editors if you have any questions.

Note: Manuscripts must not have been previously published or be submitted for publication elsewhere. Each submitted manuscript must include title, names, authors' affiliations, postal and e-mail addresses, an extended paper, and a list of keywords. For multiple author submission, please identify the corresponding author.

Final paper submissions

Each final submission must be prepared based on the journal requirements (see the [Author guidelines](#)).

Guest Editors:

Francesco Longo, DIMEG, University of Calabria

f.longo@unical.it