

First Call for invited Papers

Methodology of Societal Complexity
25TH EUROPEAN CONFERENCE ON
OPERATIONAL RESEARCH (EURO XXV)
Vilnius, Lithuania, 8-11 July, 2012
www.euro-2012.lt

Please visit the EURO XXV Conference website
www.euro-2012.lt for more information.

<http://www.complexitycourse.org/doriendetombe/detombevilniuseuro2012.html>

Main Stream 10 Health, life sciences & bioinformatics on
Methodology of Societal Complexity consists of:

Session I : Societal Complexity and Economy
Session II : Societal Complexity and Sustainable Development
Session III : Societal Complexity and Healthcare
Workshop : State of the Art and next Questions

Send the abstract for one of the sessions as invited paper before
Deadline for abstract submission: December 1, 2011

to stream organizer: [Dorien J. DeTombe](#)

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[We welcome contributions on Methodology of Societal Complexity](#)

The subject of Methodology of Societal Complexity:

Methodology of Societal Complexity focuses on methods and tools for handling complex societal problems. Handling means analyzing, structuring, guiding and evaluating complex societal problems. Complex societal problems are often policy problems that can occur in many fields, like in the Agro-industry (Mad-Cow disease, BSE; Foot- and Mouth disease; Fowl Plague, birds flu), in the transportation sector, in healthcare (Malaria, HIV/AIDS, Sars, Flu), in Water affairs and Global Safety. It focuses also on handling local safety problems like large city issues and natural disasters as flood and hurricanes as well as global safety problems like war, terrorism. Although many of these issues have a different cause, they have so much in common that they can be approached in the same way. Complex societal problems as such, are unstructured, dynamical and constantly changing and have a large impact on society on macro, meso and on micro level.

Handling complex societal problems needs a special interdisciplinary approach. The content knowledge comes from content experts. The process knowledge comes from facilitators. The attention of the research group is on the methods and tools facilitators need for supporting these kinds of problems. The facilitators use methods specially created for the field of societal problems combined with methods and insights derived from their original field like medicine, law, economics, societal sciences, methodology, mathematics, computer sciences, technology, engineering sciences, chaos theory and operational research. Often a combination of methods is needed. In this way the field uses all kind of methods from social sciences and operational research. An often-used approach is simulation. A simulation model is one of the powerful tools to describe societal complexity. With simulation models one cannot only understand the causal relations between the phenomena but also see what effect changes have.

Keywords: methodology, complex societal problems, decision, simulation, societal complexity

Important dates

Submission for abstracts starts:	October 2011
Deadline for invited abstracts	December 1, 2011
Notification of acceptance invited abstracts	January 15, 2012
Deadline for other abstract submission:	March 1, 2012
Notification of acceptance other abstracts:	March 31, 2012
Deadline for early registration:	April 1, 2012
Deadline for author registration (for inclusion in the programme):	May 1, 2012