**6<sup>th</sup> EUROSIM Congress on Modelling and Simulation**
**September 9-13, 2007**
**Ljubljana, Slovenia**

http://www.eurosim2007.org

**Announcement of a special session:**

# Agent-based and Dynamic Approaches to Modelling in Economics

In this session we focus on a variety of modelling techniques - as Agent-based and different dynamic approaches - to Modelling in Economics. The importance of modelling in economics is increasing steadily, due to complex economic systems can be handled by simulation more generally than by solely analytical approaches. Many economic problems are highly dynamic - both over time and regarding the interaction between several model compartments. Such models which are able to handle different dynamic effects are increasingly used to solve optimization issues in economics.

The range of economic modelling approaches is quite high and mostly the motivation of the modelling approach is an optimization issues. In this session the focus lies on modelling dynamic effects of highly interactive systems, optimization issues and their application in economics. Additionally methods of data mining and adaptive learning are welcome, due to mostly high-dimensional dynamic economic systems require a proper set of methods to analyse the results generated by real world processes or simulation models.

In the following a (incomplete) list of modelling methods, which should be applied to Economics in this special session:

    Agent-based models
    Cellular Automata
    Differential equations
    Markov Chains
    Neural Nets
    Optimization methods
    Data mining
    Adaptive Learning

Please send suggestions and extended abstracts to the session organiser.

**Session organizer:**

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**Deadlines:**

Announcement of a contribution (to facilitate session organization):
**April 30, 2007** (by E-mail to the session organizer)

Submission of 2 page extended abstract or daft paper:
**May 20, 2007** (by E-mail to the session organizer)

Acceptance notification after paper review:
**June 1, 2007**

Full paper (camera ready) due to:
**June 30, 2007** (to the conference server with copy to the session organizer)
See also instructions: http://www.eurosim2007.org/Instructions.html