

CFP - Policy practice and digital science: Integrating complex systems, social simulation and public administration in policy research

BACKGROUND

This explosive growth in data, computational power, and social media creates new opportunities for policy-making and research. To take advantage of these development in the digital world new approaches, concepts, instruments and methods are needed which are able to deal with societal and computational complexity. This requires the knowledge traditionally found in different disciplines including public administration, policy analyses, information systems, complex systems and computer science. The aim of this book is to provide the foundation for this new interdisciplinary field in which various traditional disciplines are blending.

This books aims at being the first comprehensive book in which the various development and disciplines will be covered from the complete policy-making perspective. A wide range of aspects for social and professional networking and multidisciplinary constituency building along the axes of technology, participative processes, governance, policy modelling, social simulation and visualisation. This should result in a comprehensive overview of the foundations, theories, models, approaches, applications and developments in this domain.

The type of contributions can be new approaches, concepts, instruments and methods are needed, theoretical and modelling foundations, cross-disciplinary research and best practices or comparative studies.

TOPICS

- * Modelling approaches and combination of modeling approaches to solve policy problems
- * Agent-based modeling, simulation, social network modeling and analysis
- * Use of information communication technologies for social computing
- * Complex system, complex adaptive systems
- * Policy informatics, evidence-based policy, foundation and changes in policy making
- * Policy formulation, implementation, execution, evaluation
- * Computational sciences
- * Prediction, Policy and Planning, Environment

- * Social Systems, Economics and Finance
- * Public-Private service Networks
- * Complexity thinking and methodological, influence and practice challenges
- * Conceptual frameworks
- * Influence of Web.2.0, public engagements, community of practices
- * Crowdsourcing, experts involvement
- * Use of open data in policy making
- * Evolution, designing, morphing
- * Achievements of Web service networks
- * Web 3.0, issues, results, and challenges
- * The impact of agent technologies on policy modelling
- * Integrating different models (discrete, dynamics, ..)
- * Agent-based experimenting, dynamics and validations
- * Visualization, dissemination and communication

IMPORTANT DATES

Authors are encouraged to submit an abstract for appropriateness with the book to m.f.w.h.a.janssen@tudelft.nl and A.Deljoo@tudelft.nl.

- * Chapter submission deadline: 15 December 2013
- * Acceptance notification 15 February 2014
- * Camera ready submission: 1 April 2014

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SUBMISSION

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