

# Call for Papers

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## 14'th workshop of the IFIP Working Group 7.6 on Advanced Analytics

“Optimization-Based Computer-Aided Modeling and Design”

<http://www.smartchair.org/hp/ifip2015/TOP/>

Shanghai, China

May 4-6, 2015

ORGANIZED BY

the School of Business,

East China University of Science and Technology(ECUST)

### Objectives and Topics

As the solution of complex problems are generally not optimal, it require to be optimized and further takes advanced analytics into account. This gives rise to the demand for modeling and design different approaches and techniques to ultimately improve the solution to any such real world problems. The objectives of the workshop are outlined as follows:

- to bring together researchers working on optimization-based computer-aided modeling and design in information and knowledge systems;
- to attract researchers working in social sciences (economics, business, management and energy & environmental sciences) who are interested in applying advanced tools and techniques;
- to bring together researchers and practitioners in order to foster the collaboration on research and application involving advanced analytics; and
- to present and discuss open research problems and novel applications.

**The topics of the workshop include (but are not limited to) the following:**

#### ***(1) Theory and Methodology***

- Integration of modeling
- Computer-aided modeling and design
- Optimization under different constraints
- Multi-criteria decision analysis

- Data and systems analysis
- Intelligent data analysis
- Data mining and knowledge discovery
- Knowledge management

## ***(2) Application***

- Economics and econometrics
- Network analysis and mining
- Telecommunication
- Logistics and supply chain management
- Energy & environmental management
- Health-care
- Risk and catastrophic event risk management

## **Paper Submission and Publication**

The authors are invited to submit their full papers by 15 January, 2015. The submissions of substantial, original and previously unpublished work are invited in all areas related to the themes of the conference. Only PDF and MS Word files will be accepted. Submissions should not exceed 12 pages and must be submitted electronically to [2015ifip@gmail.com](mailto:2015ifip@gmail.com). Please visit [here](#) for details.

## **Workshop-Related Special Issues**

The workshop will be organized by sessions on an invited basis. In addition, contributed papers dealing with Advanced Analytics in the application areas mentioned above are welcome.

After the workshop, the authors of selected papers from IFIP 2015 will be invited to submit substantially extended and updated version of their work for possible inclusion in special issues of [\*Journal of Systems Science and Systems Engineering\*](#).

## **Contact**

All inquiries should be directed to: [2015ifip@gmail.com](mailto:2015ifip@gmail.com)