

# International Journal of Organizational Design and Engineering (IJODE)

## Special Issue on Organizational Sensing

### Call for papers

Guest editors: Daniel Olguín-Olguín and Alex (Sandy) Pentland

#### Important dates

Submission deadline: May 15, 2011

Reviews: July 15, 2011

Camera ready paper due: August 15, 2011

Publication: October 2011

People leave behind digital breadcrumbs as they use mobile phones, RFID badges, credit cards, and almost any other digital or electronic device. Data mining of email, for instance, has already provided important insights into how organizations function and what management practices lead to greater productivity. However by analyzing the other types of digital breadcrumbs we can potentially know who talks to whom and even how they talk to each other. As a consequence, we can answer organizational questions such as: Does the sales department talk to the marketing department? Are all these meetings really useful? Are the team's communication patterns effective?

IJODE is a scholarly journal aiming at the development of organizational design and engineering (ODE), defined as the application of social science, design science and computer science research and practice to the study and implementation of new organizational designs, including the integrated structuring, modeling, development and deployment of IS/IT and social processes. ODE can be classified as a sub-discipline of the discipline of information systems. However, ODE is not restricted to the paradigm or the literature of information systems but is manifestly open to influences from organization science and computer science/engineering

The focus of this special issue of IJODE is on new technologies for sensing organizational behavior that go beyond analysis of electronic communication, as well as on how to apply data mining, social network analysis and simulation techniques to these new sensing technologies in order to reinvent organizational engineering and management practices.

Topics include (but are not limited to):

- Next generation sensing technologies for organizational behavior studies
- Social network analysis for organizational design and engineering applications
- Data mining and pattern recognition methods in organizational design and engineering
- Data visualization and feedback mechanisms to support organizational change
- Data-supported organizational intervention design
- Simulation and optimization techniques for organizational design
- Collective behavior in organizations

Submission guidelines:

<http://www.inderscience.com/mapper.php?id=31>

Inquiries and submissions can be forwarded electronically (in Word or PDF) to:

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