Session Title: **Collaborative, Participative, and Interactive Modeling**

Track: **Modeling Methodology**

Session Chair:

Joseph Barjis
Delft University of Technology
J.Barjis@TUDelft.NL

Description

Modeling activities are in the very core of system design, especially modeling organizational, enterprise, and business systems. For modeling complex processes and systems, strenuous efforts are required as processes in modern enterprises are scattered throughout different units within and among different enterprises, and beyond the national boundaries if processes are outsourced.

There is an ample discussion of innovative approaches in the literature that mainly suffice itself with preliminary theoretical propositions, e.g., collaborative modeling, where the modeling activities are conducted in joint sessions with an extensive collaboration and participation of the stakeholders.

This session solicits contributions on methods that allow collaborative, participative, and interactive modeling (CPI modeling). Here is a list of suggested topics, but not limited:

Suggested topics

- Modeling methods based on collaborative approaches
- Modeling methods based on participative approaches
- Modeling methods based on interactive approaches
- Modeling methods based on CPI modeling approaches
- Case studies reporting on the use of above mentioned methods
- Modeling guidelines for the use of above mentioned methods
- Technologies supporting CPI modeling and simulation
- Modeling languages supporting CPI modeling and simulation
- Qualitative method for evaluating CPI modeling
- Soft thinking approaches in CPI modeling
- Research methods from psychology used in CPI modeling (e.g., perception of the participants, cognition, emotion)
- Best practices of collaborative modeling