Session Title: **Organization-Theoretic Modeling**

Track: **Modeling Methodology**

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Description

Modeling is of a paramount importance in simulation research and practice and yet often marginalized in the discussion and study of simulation. Modeling (conceptual modeling) captures a reality or represents an envisioned concept, which becomes object of further study using simulation.

Traditionally, modeling approaches in the simulation practice is based on conventional methods, which are dominantly formal or semi-formal methods and modeling languages.

This session, solicits innovative methods based on a variety of non-conventional theories from organizational, social and psychological sciences and linguistic philosophy. Below are some suggested topics, but not limited, where some theories are listed as potential foundation for non-conventional modeling methods. This session welcomes both theoretical papers and papers that demonstrate application of non-conventional modeling methods.

Suggested topics

- Modeling methods based on organization theory
- Modeling methods based on enterprise ontology
- Modeling methods based on communicative act theory
- Modeling methods based on linguistic philosophy, speech act theory
- Modeling methods based on language-action perspective
- Modeling methods based on organizational semiotics
- Case studies reporting on the use of above mentioned methods
- Modeling guidelines for the use of above mentioned methods