## Minisymposium on

## Modeling, Design, and Simulation of Systems with Uncertainties

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Engineers have do deal with different kinds of uncertainties to obtain reliable and accurate models of reality. On the one hand, parameters and initial conditions of dynamical systems cannot be determined exactly due to nonnegligible measurement errors and incomplete knowledge of the underlying system structure. On the other hand, order reduction techniques for complex high-dimensional system models introduce a further source of uncertainty. In this minisymposium, we focus on approaches to uncertainty management in modeling, control design, state, disturbance and parameter estimation as well as in simulation of dynamical systems for various applications in engineering.