

Minisymposium MS75:

Model Reduction Software

Nonlinear Problems and Data-Driven Solutions

organized by: *Christian Himpe* (MPI Magdeburg)

SIAM Computational Science and Engineering 2017 ([#siamcse17](#))

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Speakers:

- 4:35-4:55 **Regularization Techniques for Biochemical Reaction Networks**
Daniel Howsmon and Juergen Hahn (Rensselaer Polytechnic Institute)
- 5:00-5:20 **Nonlinear Model Order Reduction with pyMOR**
Stephan Rave (University of Münster)
- 5:25-5:45 **Data-driven methods for nonlinear model reduction in fluid dynamics**
Scott Dawson and Clarence Rowley (Princeton University)
- 5:50-6:10 ~~Model reduction via spectral analysis of the Koopman operator~~
Ryan Mohr (University of California)