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## Program agenda for the CSH Young Researchers' Symposium on Modeling Complex Systems

**February 6, 2025** | Aula, Hohenheim Castle, University of Hohenheim

- **13:30 – 14:00** | Arrival
- **14:00** | **Keynote Speech** by Prof. (apl.) Patrick Jochem  
Head of Division Energy Systems Analysis, Institute of Networked Energy Systems,  
German Aerospace Center (DLR)
- **15:00 – 15:15** | Coffee Break
- **15:15 – 15:45** | *Reinforcement Learning for Optimal Experimental Design in hERG  
Current Identification*  
Dr. Michael Vu, Institute for Applied Mathematics and Statistics
- **15:45 – 16:15** | *Seeding Strategies for the Diffusion in Signed Networks*  
Dr. Matthias Müller, Department of Innovation Economics
- **16:15 – 16:30** | Coffee Break
- **16:30 – 17:00** | *Development of Gas Sensor Array for Bioprocess Control*  
Holger Dittmann, Department of Bioprocess Engineering
- **17:00 – 17:30** | *Optimizing Surfactin Production: Kinetic Modeling of Bacillus subtilis  
Bioreactor Processes*  
Eric Hiller, Department of Bioprocess Engineering
- **17:30 – 17:45** | *Evolutionary Tipping Points: Dynamics of Mutualism and Antagonism  
in Ecological Interactions*  
Felix Jäger, Department of Eco-Evolutionary Modelling
- **17:45 – 18:00** | *Fast Non-parametric Test on the Equivalence of High-Dimensional  
Multivariate Empirical Distributions*  
Dr. Johannes Bleher, Computational Science Hub

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We anticipate a vibrant exchange of ideas on how modeling helps us tackle today's complex challenges. Attendance is **free of charge**; kindly share this invitation with colleagues, students, or researchers who might be interested.

If you have any questions or require further information, please do not hesitate to contact us at [csh@uni-hohenheim.de](mailto:csh@uni-hohenheim.de).

We look forward to welcoming you to an inspiring symposium.