

Welcome Address

Prof. Klaus Vogel
Deutsches Hygiene-Museum Dresden

Prof. Dr. Hans Müller-Steinhagen and Robert Fischer

Why Network Dynamics?

Dr. rer. nat. Malte Schröder //
Prof. Dr. rer. nat. Marc Timme
Chair for Network Dynamics, cfaed, TUD

Networks in Economic & Mathematical Sciences

Presenter: Prof. Dr. Christoph Leyens
Chair for Materials Technology, TUD, Fraunhofer IWS

A random bipartite network with applications in ruin theory

Prof. Dr. Anita Behme
Chair of Applied Stochastics, TUD

Distributed Computing of the Electricity Network Model ELMOD

Hannes Hobbie
Chair of Business Management, esp. Energy Economics, TUD

Political Uncertainty with Ada-NET

Prof. Dr. Ostep Okhrin
Chair of Econometrics and Statistics, esp. Transport Sector, TUD

Structure and Evolution of Financial Networks

Prof. Dr. Martin Keller-Ressel
Chair of Stochastic Analysis und Financial Mathematics, TUD

Universities' role in Regional Innovation Systems with differing concentration of SMEs

Dr. Matthias Geissler // Anna-Maria Kindt
Junior Research Group Knowledge and Technology

Networks in Social & Cultural Sciences

Presenter: Gwendolin Kremer
Academic Heritage, TU Dresden

"Be this fish!" A New Perspective on Creation Theology

Dr. habil. Julia Enxing
Chair of Systematic (Catholic) Theology (Deputy Head of Chair), TUD

Inclusive and multi-scalar agency networks for urban transformations towards sustainability

Hanna Kang
Dresden Leibniz Graduate School (DLGS), Leibniz IOER

Social Media Networks

Prof. Dr. Thomas Köhler
Chair of Educational Technology, TUD

Between Art, Science, and Politics – Museums under National Socialism

Fine Kugler
Department of Research and Scientific Cooperation, SKD

6:15-6:45pm Break and Pretzel

Networks in Environmental & Engineering Sciences

Presenter: Prof. Dr. Jochen Schanze
Chair of Environmental Development and Risk Management, TUD, Leibniz IÖR

Resilient design optimization of complex water networks under water scarcity conditions

Maria Elena Orduña Alegría // Prof. Dr. Niels Schütze
Chair of Hydrology, TUD

Collective Dynamics of Networked Mobility

Dr. rer. nat. Malte Schröder //
Prof. Dr. rer. nat. Marc Timme
Chair for Network Dynamics, cfaed, TUD

Building as energy generators. Complex network structures in energy grids.

Prof. Dr.-Ing. Clemens Felsmann
Chair of Building Energy Systems and Heat Supply, TUD

Networking via root grafts - just a whim of nature or a strategy of trees to be more resilient in stressful environments?

Marie-Christin Wimmeler
Chair of Forest Biometry and Systems Analysis, TUD

Functional Analysis of Urban Drainage Networks

Julian David Reyes Silva
Institute of Urban Water Management, TUD

Networks in Life Sciences

Presenter: Dr. Volker Busskamp
crtd, TU Dresden

Complex networks in the life sciences

Prof. Dr. Michael Schroeder
Professor in Bioinformatics, CMCB, Biotechnological Center (Biotec), TUD

Aging and Neuromodulation of Brain Networks

Prof. Shu-Chen Li, Ph.D.
Chair of Lifespan Developmental Neuroscience, TUD

Brain-inspired Neural Networks based on Organic Semiconductors

Dr. Hans Kleemann
Research Group Leader „Organic Devices and Systems“, IAPP and Institute for Applied Physics, TUD

Systems genetics of neural stem cells

Dr. rer. nat. Rupert Overall
Platform Leader Cognitive Resilience Map, German Center for Neurodegenerative Diseases