

Scientific Area Network (SAN) Change Through Digitalisation

6 June 2018 // 17.00-20.00 // HTW Dresden

Moderator: Dr Bernd Rellinghaus, TU Dresden / cfaed, Director of Dresden Center for Nanoanalysis

DRESDEN
concept



PROGRAMM

17:00

Welcome address by Prof. Roland Stenzel, *Rector of HTW Dresden*

Presentation of DRESDEN-concept by Prof. Hans Müller-Steinhagen, *Rector of TU Dresden and Chairman of the Board*

Presentation of SAN by Prof. Ludwig Schultz, *Scientific Coordinator of DRESDEN-concept*

17:30

Research Ethics & Societal Change

Opening Talk

The Concept of Authorship and Copyright Law under Pressure: Does AI Shift Paradigms?

JProf. Anne Lauber-Rönsberg
TU Dresden, Institute for Intellectual Property, Competition and Media Law

Humans in the Internet of Things

Prof. Sven Engesser
TU Dresden, Institute of Media and Communication

Digitalization affects the country side

Dr. Julia Osten
Fraunhofer Institute for Transportation and Infrastructure Systems IVI

Sustainable Change Through Digitalisation

Stefan Lueddeckens
TU Dresden, PRISMA – Centre for Sustainability Assessment and Policy

The Revolution of Journalism in the Digital Age – Threats and Opportunities to Democracy

Prof. Lutz Hagen
TU Dresden, Institute of Media and Communication

18:00

Digitalisation in Teaching

Opening Talk

Digitalisation - Challenges and Opportunities in Academic Teaching

Prof. Alexander Lasch
TU Dresden, Institute of German Studies

Better Teaching, Better Software, Better Research

Dr. Peter Steinbach and Dr. Guido Juckeland
Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG) / Helmholtz-Zentrum Dresden-Rossendorf (HZDR)

Digital Learning in Geo Sciences

Dr. Sujit Kumar Sikder
Leibniz Institute of Ecological Urban and Regional Development (IÖR)

Autonomy and Cooperation through AI – TEL and TET in 2018

Prof. Thomas Köhler
TU Dresden, Institute of Vocational Education and Vocational Didactics

18:30

Break

18:50

Digital Transformation of Organisations

Opening Talk

Progress vs. Conservation. The Challenge of Digitizing Cultural Heritage

Dr. Martin Zavesky
The Staatliche Kunstsammlungen Dresden (SKD)

3D-digitization in archaeology

Dr. Florian Innerhofer
Landesamt für Archäologie (LfA)

New Work Culture and the Social Intranet SLUB

Dr. Jens Mittelbach
Sächsische Landesbibliothek – Staats- und Universitätsbibliothek Dresden (SLUB)

19:20

Digital Research Methods

Opening Talk

Digital Research Methods

Dr. Sander Münster
TU Dresden, Media Center

Knowledge Extraction from Historical Maps

Dr. Hendrik Herold
Leibniz Institute of Ecological Urban and Regional Development (IÖR)

Head-mounted Displays as Effective Tools for the Immersive Visualization of Multidimensional Data

Prof. Rainer Groh
TU Dresden, Institute of Software and Multimedia Technology

Insights into German Research Software Engineering Landscape

Stephan Janosch
Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG)

Realisation of an HPC framework for collaborative multidisciplinary optimisation of commercial aircraft

Sebastian Gottfried
German Aerospace Center (DLR), Institute of Software Methods for Product Virtualization

19:50

Closing Remarks

Dr. Katarzyna Wiesenhütter, DRESDEN-concept / TU Dresden