

## Drawing Insights from Complex Data (in english)

Mittwoch, 11. April 2018, 13:30 – 18:00 Uhr

GM 8/9 - Hörsaal des Internationalen Wiener Motorensymposiums,  
Getreidemarkt 9, 1060 Wien, Bauteil BD Hoftrakt, 2.OG, Raum BD 02 B33

At the Interfaculty Centre COCOS at TU Wien, various methods and tools in Statistics, Data Science and Modelling & Simulation are developed to tackle the challenges of complex and big data, as well as analysing and predicting complex, dynamic systems. Main goal is to support a wide range of research disciplines in their work. This afternoon gives an overview on methods and tools, how to choose and the possibility to discuss recent challenges.

### Programme

#### 13:30 Valid and Reproducible Simulation Studies in Demography

*Prof. Dr. Adelinde Uhrmacher, Liaison Professor of the DFG at the University of Rostock*

#### 14:10 Modelling Methods and Simulation Tools for Complex, Dynamic Systems

*Dr. Niki Popper, Coordinator COCOS/Director DEXHELPP, Dr. Martin Bicher, DEXHELPP*

#### 14:40 Word Embedding and Applications

*Prof. Dr. Allan Hanbury, Professor for Data Intelligence, TU Wien*

#### 15:10 Coffee Break

#### 15:30 What Statistical Tool is Best?

*Prof. Dr. Peter Filzmoser, Professor for Statistical Methods for Data Analysis, TU Wien*

#### 16:00 Visual Analytics for Medical Applications: Challenges and Opportunities

*Prof. Dr. Silvia Miksch, Professor for Visual Analytics, TU Wien*

#### 16:30 Panel Discussion: Drawing Insights from Complex Data

*Adelinde Uhrmacher, Felix Breitenecker, Peter Filzmoser, Allan Hanbury, Georg Langs*

#### 17:00 Buffet & Networking