



Vis 2013
VAST • INFOVIS • SCIVIS
BIOVIS • LDAV

Interactive Visual Analysis of Scientific Data

Welcome



Steffen Oeltze, Helwig Hauser, Johannes Kehr

Helwig Hauser

- 1994-2000 assistant professor at the TU Vienna, Austria
- 2000-2003 key researcher at the VRVis Research Center
- 2003-2007 scientific director of the VRVis Research Center
- Since 2007, professor in visualization at the Univ. of Bergen
- Researches IVA since 2000, >25 invited talks about IVA



Johannes Kehrer

- 2007 M.Sc. from TU Vienna, Austria
- 2011 PhD from Univ. of Bergen, Norway
- 2012 PostDoc at VRVis Research Center
- Since 2013, PostDoc at TU Vienna, Austria
- Research on visual analysis of multi-variate, spatiotemporal, multimodal, and multi-run/ensemble data



Steffen Oeltze

- 2004 M.Sc. from University of Magdeburg, Germany
- 2010 PhD from University of Magdeburg
- Since 2010, PostDoc in visualization at Univ. of Magdeburg
- Research on visual analysis of medical, epidemiological, and biological data



Tutorial History

- Held for the first time at VisWeek 2012
- All parts have been updated
- New, exciting topics this year:
 - IVA of epidemiological data
 - IVA of flow data

Tutorial Outline

2:00pm-5:55pm

Welcome, Oeltze et al.

- Basics of IVA, *Hauser* (35 min)
- IVA of Climate Data, *Kehrer* (35 min)
- IVA of Medical & Epidemiological Data, *Oeltze* (20 min)

Coffee break

- IVA of Medical & Epidemiological Data (contd) (20 min)
- IVA of Flow Data, *Hauser* (35 min)
- IVA Tools, *Kehrer, Oeltze* (35min)
- Lessons Learned and Open Problems, *Oeltze et al.*

What You Will Learn

- Theoretical foundation of IVA
- Various application examples from automotive engineering, climate research, biology, epidemiology, and medicine
- ➔ Theory and practice will help in transferring the subject matter to your own data and application area
- Techniques from statistics and knowledge discovery
- Overview of off-the-shelf IVA solutions

Tutorial Material

Tutorial slides as well as additional material will be available at:

<http://tinyurl.com/SciDataIVA13>

