



Visual Data Science and its role in Computational Medicine

Elmar Eisemann, Helwig Hauser, Anna Vilanova Bartroli

Program Recap

Morning

- 09h30 welcome & registration
- 10h00 opening (DDS / TU Delft, Univ. of Bergen)
- 10h10 session 1: computational & visual solutions in biomedicine (chair: H. Hauser)
- **Arvid Lundervold** on Computational medicine and machine learning – opportunities and challenges
- **Boudewijn Lelieveldt** on Visual analytics for spatially resolved -omics data: from single cell to tissue and back
- 11h10 coffee break
- 11h30 session 2: neuroimaging and visual data science (chair: A. Vilanova)
- **Wiro Niessen** on Biomedical Imaging and Genetic (BIG) Data Analytics, applications in dementia and oncology
- **Jos Roerdink** on Computational and visual analysis of brain data



Afternoon

- 13h30 session 3: data science with statistics & machine learning (chair: E. Eisemann)
- **Peter Filzmoser** on Robust elastic net (logistic) regression for high dimensional data
- **Jan van Gemert** on Active Decision Boundary Annotation
- 14h30 coffee break
- 14h50 session 4: visual data science with visualization & analytics (chair: H. Hauser)
- **Jean-Daniel Fekete** on The role of visualization in the hypothetico-deductive method
- **Jack van Wijk** on Understanding models: a challenge for visual analytics
- 16h00 panel discussion
- Boudewijn Lelieveldt, Arvid Lundervold, Jean-Daniel Fekete, **Erik Tews**

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Thank you very much for coming!

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