

Tommy Hielscher

Office Contact Information

University of Magdeburg
Faculty of Computer Science
Institute of Technical and Business Information Systems
Knowledge Management & Discovery Group
39106 Magdeburg, Germany

Phone: +49 391 67-54905
Fax: +49 391 67-18110
Email: tommy.hielscher@ovgu.de
www.kmd.ovgu.de

Research Positions

Since 2014	University of Magdeburg, Germany Research Associate / Ph.D. Student
2013	University of Magdeburg, Germany Research Assistant

Education

2013	University of Magdeburg, Germany Master of Science (M.Sc.) in Business Information Systems
2011	University of Magdeburg, Germany Bachelor of Science (B.Sc.) in Business Information Systems

Awards and Honours

2017	Stockholm, Sweden and Magdeburg, Germany ERASMUS Lecturer Exchange Programme Participant
2014	Mount Sinai, New York, USA IEEE CBMS 2014 Best Student Paper Award
2008	University of Magdeburg, Germany Friedrich Naumann Foundation for Freedom Scholarship Nominee

Publications

Shiva Alemzadeh, Tommy Hielscher, Uli Niemann, Lena Cibulski, Till Ittermann, Henry Völzke, Myra Spiliopoulou, and Bernhard Preim. Subpopulation Discovery and Validation in Epidemiological Data. EuroVis Workshop on Visual Analytics, 2017.

Tommy Hielscher, Myra Spiliopoulou, Henry Völzke, and Jens-Peter Kühn. Identifying relevant features for a multi-factorial disorder with constraint-based subspace clustering. Proc. of the 29th IEEE Int. Symposium on Computer-Based Medical Systems (CBMS16), IEEE, Dublin, Ireland and Belfast, Northern Ireland, June 2016.

Uli Niemann, Tommy Hielscher, Myra Spiliopoulou, Henry Völzke, and Jens-Peter Kühn. Can we classify the participants of a longitudinal epidemiological study from their previous evolution?. Proc. of the 28th IEEE Int. Symposium on Computer-Based Medical Systems (CBMS15), 121-126, IEEE, São Carlos and Ribeirão Preto, Brazil, June 2015.

Tommy Hielscher, Myra Spiliopoulou, Henry Völzke, and Jens-Peter Kühn. Mining longitudinal epidemiological data to understand a reversible disorder. Proc. of the 13th Int. Symposium on Intelligent Data Analysis (IDA'14), Springer, Leuven, Belgium, 2014.

Tommy Hielscher, Myra Spiliopoulou, Henry Völzke, and Jens-Peter Kühn. Using Participant Similarity for the Classification of Epidemiological Data on Hepatic Steatosis. Proc. of the 27th IEEE Int. Symposium on Computer-Based Medical Systems (CBMS14), IEEE, Mount Sinai, NY, 2014.

Talks and Conferences

Research Presentation at the Faculty of Social Sciences, Department of Computer and Systems Sciences, as part of the ERASMUS Lecturer Exchange Programme: Exploiting background knowledge of evolving objects to identify relevant dimensions for classification, Stockholm, Sweden, 2017

Research Presentation at Tinnitus Think Tank Meeting on Ecological Momentary Assessment: Data Science for Streams of Patient Data – Challenges and Opportunities, Herrsching, Germany, 2016

Research Presentation at the European Conference on Data Analysis: Exploiting longitudinal epidemiological data in similarity-based classification, Bremen, Germany, 2014

Paper Presentation at the 13th International Symposium on Intelligent Data Analysis: Mining longitudinal epidemiological data to understand a reversible disorder, Leuven, Belgium, 2014

Paper Presentation at the 27th IEEE International Symposium on Computer-Based Medical Systems: Using Participant Similarity for the Classification of Epidemiological Data on Hepatic Steatosis, Mount Sinai, New York, USA, 2014

Teaching Experience

Advanced Topics in Knowledge Management & Discovery (MA – level Seminar, WT14/15, ST15, WT15/16, ST16, WT16/17), University of Magdeburg

Data Mining for Business Applications (BA & MA – level lecture, ST15), University of Magdeburg

Data Mining for Business Applications (BA & MA – level exercise classes, ST14, ST15, ST16, ST17), University of Magdeburg

Knowledge Management: Methods and Tools (BA – level exercise classes, WT14/15, WT15/16, WT16/17), University of Magdeburg

Knowledge Management & Discovery (BA – level Seminar, WT14/15, WT15/16, ST16, WT16/17), University of Magdeburg