



# SFB-TRR 161

Quantitative Methods for Visual Computing

## WORKSHOP

# GRAPH DRAWING

## Theory and Applications

[www.sfbtrr161.de](http://www.sfbtrr161.de)

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University of Konstanz | 2 May, 2024 | Room ZT1204

Prof. Dr. Franz Brandenburg  
University of Passau

Prof. Dr. Giuseppe Liotta  
University of Perugia

Prof. Dr. Ulrik Brandes  
ETH Zurich

### Schedule

|       |   |
|-------|---|
| 09:30 | Morning Coffee  |
| 10:00 | Keynote I, Franz Brandenburg<br><b>Book Embeddings of Planar, 1-Planar and Fan-Planar Graphs</b>  |
| 10:45 | Presentation I, Niklas Gröne<br><b>CelticGraph: Drawing Graphs as Celtic Knots and Links</b>  |
| 11:15 | Coffee break  |
| 11:30 | Keynote II, Ulrik Brandes<br><b>Proximity Networks and Football Teams' Spatial Expressions</b>  |
| 12:15 | Presentation II, Stefan Feyer<br><b>2D, 2.5D, or 3D? An Exploratory Study on Multilayer Network Visualisations in Virtual Reality</b>       |
| 12:45 | Lunch   |
| 13:45 | Keynote III, Giuseppe Liotta<br><b>The Bend-Minimization Problem in Orthogonal Graph Drawing</b>  |
| 14:30 | Presentation III, Wilhelm Kerle-Malcharek<br><b>GAV-VR: An Extensible Framework for Graph Analysis and Visualisation in Virtual Reality</b> |
| 15:00 | Coffee Break  |
| 15:15 | Discussion & Closing  |

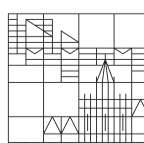
The SFB-TRR 161 "Quantitative Methods for Visual Computing" is a Transregional Collaborative Research Center. Partner institutions are the Universities of Stuttgart, Konstanz, Ulm, and the LMU in Munich.

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