

COMET CENTRE (K1)

VRVIS ZENTRUM FÜR VIRTUAL REALITY UND VISUALISIERUNG FORSCHUNGS- GMBH

RESEARCH PROGRAMME: VRVIS K1 - VRVIS K1 CENTRE FOR VISUAL COMPUTING

Main location: Vienna

Other locations: Graz (Styria)

Thematic area: Digitalization/ICT



Thematic focuses

- Visual Computing
- Image Analysis
- Data Science
- Extended Reality
- Artificial Intelligence
- Reconstruction
- Visual Analytics
- Simulation
- Visualization

Planned realisation and outcomes

Today, data-based decisions form the basis for sustainable development, innovative research, and economic success. The VRVIS research program creates innovative tools that implement efficient and effective decision workflows even for very complex and large data sets. The focus is on the human being, who remains integrated in decision-making, data processing, data analysis, or data acquisition processes through appropriate user interfaces, optimized visualizations, and interaction. With its research, VRVIS covers the entire pipeline, from AI-supported data analysis to customized visualization solutions for complex data. Partners come from the fields of medicine, life sciences, environment, construction industry production, geology, and many more.

History of establishment

Founded in 2000 in the funding program Kplus, from 2008 – 2010 VSOE funding, since 2010 COMET K1 Centre.

COMET FACTSHEET

Selected company partners (max. 10):

1. Austrian Power Grid AG
2. AVL List GmbH
3. Dibit Messtechnik GmbH
4. GE Healthcare Austria GmbH & Co OG
5. Geodata ZT Gesellschaft mbH
6. HAKOM Time Series GmbH
7. ÖBB Infrastruktur GmbH
8. RHI Magnesita
9. rmDATA GmbH
10. Zumtobel Lighting GmbH

Selected scientific partners (max. 5):

1. AIT Austrian Institute of Technology
2. Graz University of Technology
3. JOANNEUM RESEARCH
4. TU Wien
5. University of Vienna

Selected international¹ partners (max. 5):

1. HILTI Corporation (Liechtenstein)
2. Agfa Healthcare NV (Belgium)
3. StEB Köln (Germany)
4. Otto von Guericke University Magdeburg (Germany)
5. University of Warwick (UK)

Duration: 01.01.2017 – 31.12.2024 (8 years)

Staff employed at the Centre: 75 FTE, thereof 66 scientists

Management: Dipl.-Ing. Dr. Gerd Hesina, CEO
Dipl.-Math.ⁱⁿ Dr.ⁱⁿ Katja Bühler, Scientific Director

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The COMET Centre is funded within COMET – Competence Centers for Excellent Technologies – by BMK, BMAW as well as the co-financing federal provinces Vienna, Styria, and Tyrol. The COMET programme is managed by FFG. www.ffg.at/comet

¹ Partners with headquarters outside Austria