Advanced Visual Medicine:
Techniques for Visual Exploration & Analysis

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Introduction

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Tutorial Speakers

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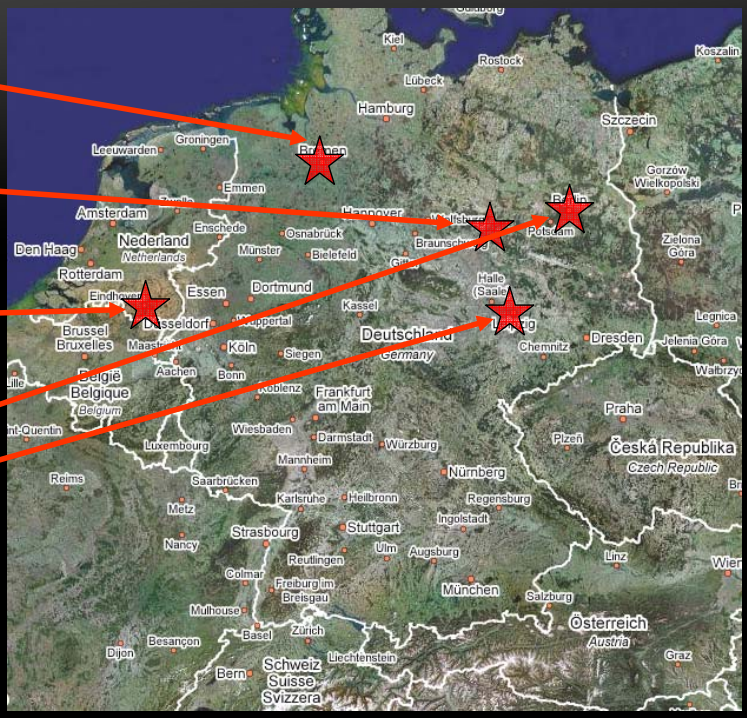

Steffen Oeltze & Christian Tietjen

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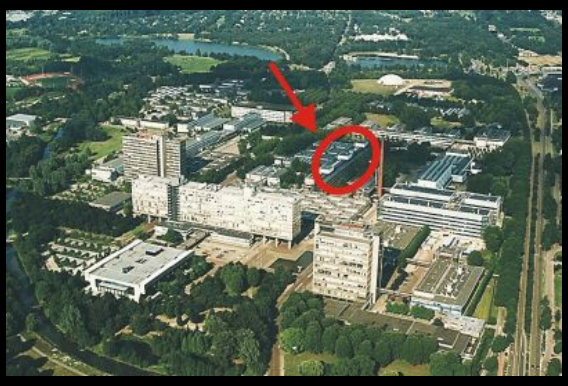

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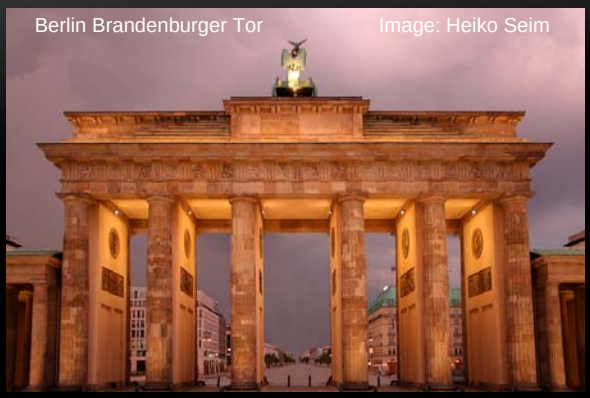
Berlin Brandenburger Tor Image: Heiko Seim

Konrad Zuse (1910 – 1995)

Inventor of the 1st freely programmable computer Z2 (1940) - Z3 (1941)

Dirk Bartz

Associate Prof. for Computer-Aided Surgery and Head of Research Group on Visual Computing, ICCAS Institute, Univ. of Leipzig, Germany

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Outline

- Illustrative Visualization Techniques for Pre-Operative Planning, *Tietjen* (25 min)
- Diffusion Tensor Imaging: Visualization Techniques and Applications, *Vilanova* (30 min)
- Interactive Visualization of Multimodal Volume Data for Neurosurgical Tumor Treatment, *Ritter* (30 min)
- Integration of Simulation and Visualization for Surgical Planning, *Zachow* (30 min)
- Visual Analysis of Perfusion Data, *Oeltze* (25 min)
- Intraoperative Navigation and Medical Mixed Reality, *Bartz* (30 min)

Updates of Tutorial Notes

New and updated material will be available at:

http://wwwisg.cs.uni-magdeburg.de/cvcms/de/tutorials