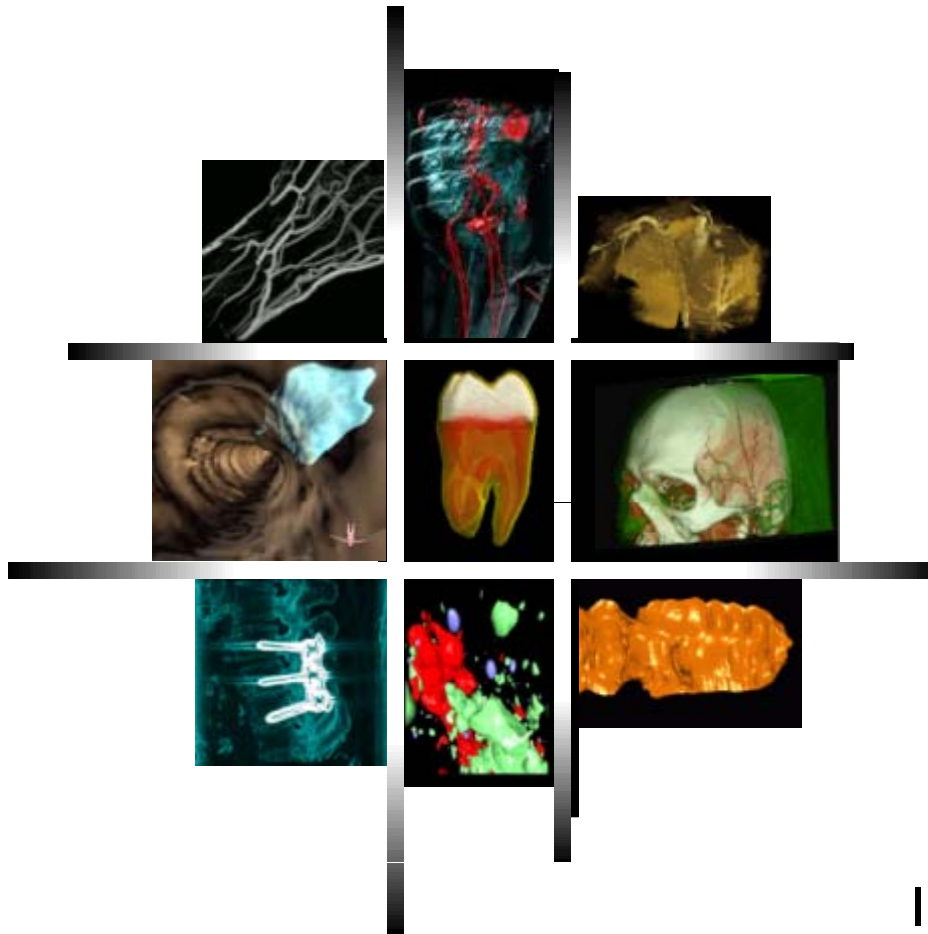


# Übungsteil

## Vorbesprechung

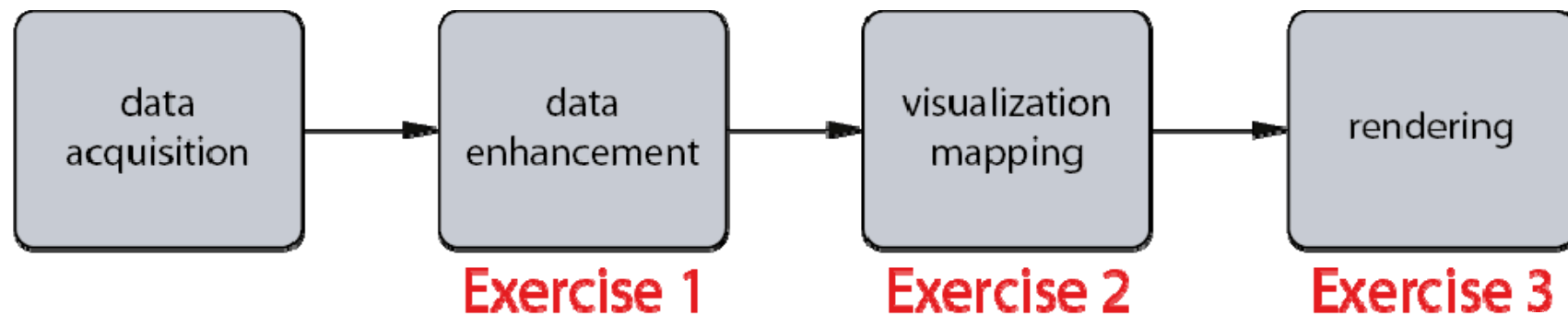


Eduard Gröller  
Stefan Bruckner  
Johanna Schmidt  
Iliyana Kirkova  
Matthias Labschütz  
Bernhard Steiner

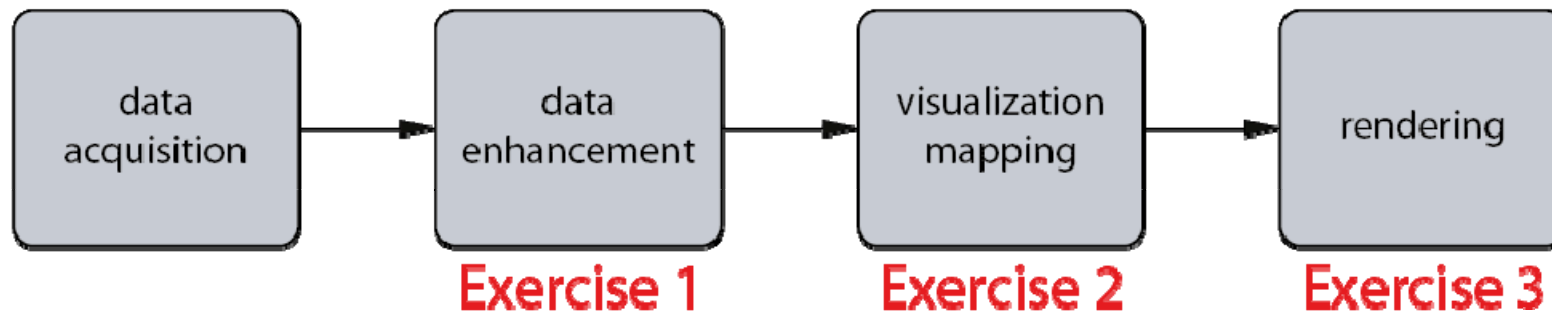
Institute of Computer Graphics and  
Algorithms (ICGA), VUT Austria



- Understanding of the visualisation pipeline
  - ◆ From raw data to
  - ◆ Meaningful visual representation



- Three exercises:
  - ◆ Task 1: Pre-processing
  - ◆ Task 2: Visual mapping
  - ◆ Task 3: Volume rendering



- Implementation in C++ and GLSL (OpenGL Shading Language)



## ■ Lab Framework

- ◆ Based on *Volumeshop*



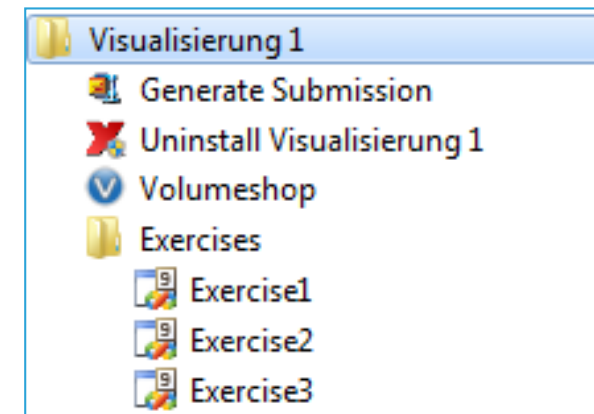
- ◆ Download at Vis1 website

- ◆ Requirements: Visual Studio 2008, graphics card (OpenGL 3.2, shader model 4.0)

## ■ Possible to use computers at the Vis-Lab (Institute for Computergraphics and Algorithms)



- Tool „Generate Submission“ provided with framework
- Generates ZIP files for every exercise
- Upload ZIP file at the „Vis1 Abgabesystem“
- Solution compiled automatically
- Discuss results at oral exam



- TISS
- **Deadline: 31.10.2012**



- **Exercise 1:** 15.10. - 05.11.2012
- **Exercise 2:** 12.11. - 10.12.2012
- **Exercise 3:** 17.12. - 07.01.2013
- **Oral exams:** 15.01. - 25.01.2013
  - ◆ Register online until 11.01.2013
  
- **Open Labs:**
  - ◆ 30.10.2012, 16:00 - 17:00
  - ◆ 04.12.2012, 16:00 - 17:00
  - ◆ 18.12.2012, 16:00 - 17:00



- Übungsleitung: Johanna Schmidt
  
- Informatik-Forum
  
- Tutors:
  - ◆ Iliyana Kirkova
  - ◆ Bernhard Steiner
  - ◆ Matthias Labschütz





## ■ **Vis1 Website**

<http://www.cg.tuwien.ac.at/courses/Visualisierung1/VU.html>

## ■ **Registration:TISS**

<https://tiss.tuwien.ac.at/course/courseDetails.xhtml?windowId=b36&courseNr=186827>

## ■ **Submissions: Vis1 Abgabesystem**

<https://lva.cg.tuwien.ac.at/vis1/>

## ■ **Oral exams: Anmeldung im Abgabesystem**

<https://lva.cg.tuwien.ac.at/vis1/>

## ■ **Support: Informatik-Forum**

<http://www.informatik-forum.at/forumdisplay.php?341-Visualisierung-1-VU>

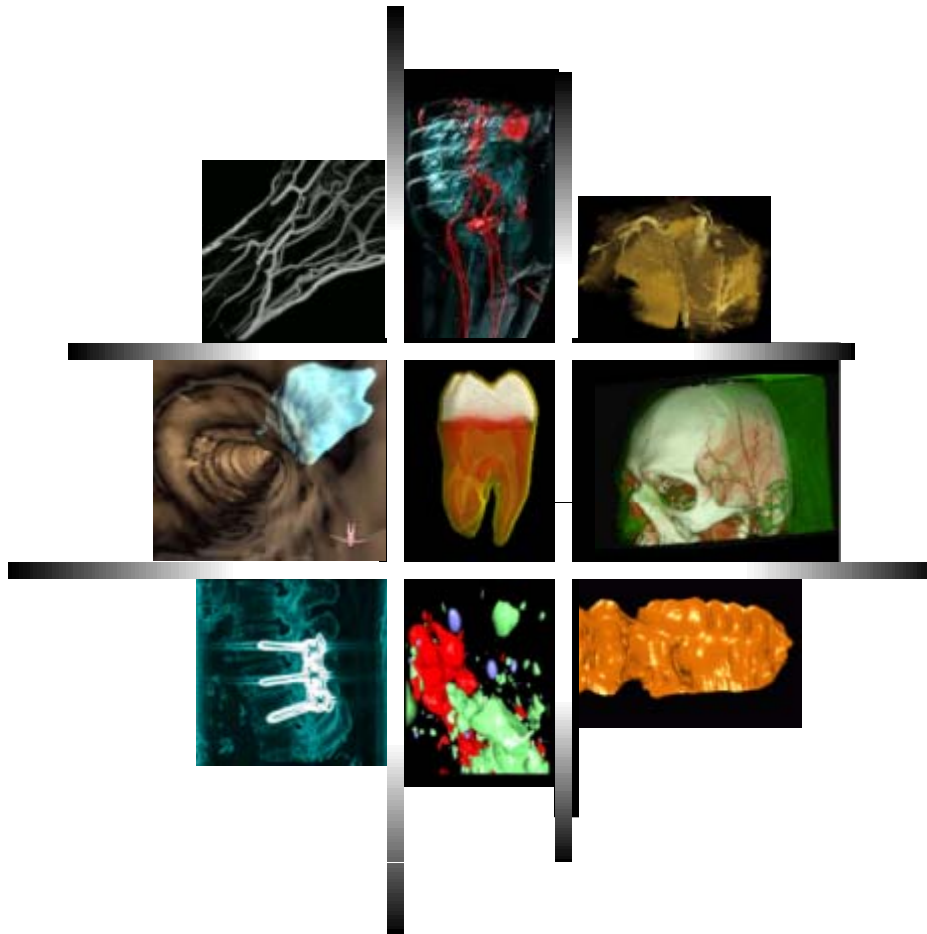


## Framework live demo



# Übungsteil

## Vorbesprechung



**Questions?**

