SEMINAR
Advanced Topics in Graphical Engineering Systems
Winter Term 2015/16

The seminar is addressed to INFOTECH and ERASMUS students. This semester’s topics deal with the subject:

**Computer Aided Design and Applications**

In this seminar scientific texts are analyzed and to are to be presented. Goals of this seminar include introduction to scientific workflows, presentation techniques, usage of scientific tools and methods as well as an overview over a specific field in the area of CAD and its applications.

If you want to participate, please send an e-mail to felix.baumann@informatik.uni-stuttgart.de or come to the first meeting (tbd – please check on the website)

**Potential topics for seminar candidates include:**

- Process Taxonomies
- Knowledge engineering, design intent, intelligent CAD
- Business Processes and CAD
- Product Development Methods and Concepts
- CAD and process planning
- CAD and the internet, web enabled design, virtual engineering
- Meshes, finite element analysis and discretization issues
- CAD and Mass-Customization

* Since this seminar focuses on various CAD/Product Development applications, it is also possible to work on a particular application of CAD which has not been named above, regarding your interest, experiences and education.

**Coordinator:** Felix Baumann

**Examiner:** Prof. Dr. D. Roller