ICT08-040 - SCALE-VS: Research on the Scalability and Confluence of Scientific Visualization and Interactive Segmentation

Abstract

Recent advancements in volumentric data acquisition in scientific computing such as the use of electron microscopy in neuroscience have created fundamentally new challenges for the visualization and segmentation of the data thus obtained. The resulting data cannot be processed by simply extending existing methods. These developments require new fundamental research on scalable methods, both from a technical point of view (e.g. handling, processing, visualization) and a user-centered point of view (e.g. actually working with, segmenting and analyzing these data). This will be done within the scope of this project.

Keywords:
Large data visualization and segmentation, interactive segmentation,petascale visual computing

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Further links to the persons involved and to the project can be found under
https://wwtf.at/funding/programmes/ict/ICT08-040/