

## Future Trends in Visualization

2:00-4:00 p.m. Friday Feb. 24, 2012

Prof. Dr. Thomas Ertl

Room 2736, Science Building No. 2, Peking University

University of Stuttgart

Visualization is a major area of visual computing focusing on displaying and graphically exploring information. Driven by the ever increasing amounts of data generated by sensors, simulations and digital events interactive visual analysis plays and increasingly important role in organizing, understanding and communicating the information hidden in these data sets. This talk will give an overview of the field and look at current research trends from the perspective of the Visualization Research Institute of the University Stuttgart (VISUS). The examples will cover visualization of bio-molecular and higher order finite element simulations, visual analytics of text and social media and the Stuttgart 100 Megapixel Power-wall.



Thomas Ertl received a MS degree in computer science from the University of Colorado at Boulder and a PhD in theoretical astrophysics from the University of Tuebingen. Since 1999 Dr. Ertl is a full professor of computer science at the University of Stuttgart, Germany and the head of the Visualization and Interactive Systems Institute (VIS) and the Visualization Research Center of the University of Stuttgart (VISUS). His research interests include visualization, computer graphics and human computer interaction in general. Dr. Ertl is coauthor of more than 350 scientific publications and he served as a papers co-chair for several conferences (e.g. Eurographics, IEEE Visualization, Euro-ViS, PacificVis, Volume Graphics, IEEE VAST) and as a member of many program committees (e.g. SIGGRAPH). He was Editor-in-Chief of the IEEE Transactions on Visualization and Graphics 2007-2010 and he is the current chairman of the Eurographics Association. He received the Outstanding Technical Contribution Award of the Eurographics Association and the Technical Achievement Award of the IEEE Visualization and Graphics Technical Committee in 2006. He was elected as a Member of the Heidelberg Academy of Sciences and Humanities in 2007 and he received an honorary doctorate from the Technical University of Vienna in 2011.

时间：2012年2月24日（星期五）下午2:00-4:00

地点：北京大学理科2号楼 2736