# Einladung zum Vortrag

## Prof. Andreas Kerren

School of Computer Science, Physics and Mathematics
Linnaeus University Sweden

hält am Mittwoch, dem 20. April 2011
um 10:00 Uhr
im Raum 11 der Bibliothek Südstadt

einen Vortrag zum Thema

## Interactive Visual Analysis of Metabolic Networks and Associated Data

Abstract: The visual analysis of large and complex network data is one of the most challenging disciplines of information visualization with various application fields. A prominent example is the generation of huge data sets in the life sciences by high-throughput experimental techniques, e.g., DNA microarray experiments. Since the manual analysis of this data is costly and time-consuming, biologists are turning towards computational methods that support data analysis. The information in many experimental data sets can be either represented as networks or interpreted in the context of networks that are used, for example, to guide further experiments.

Aim of this presentation is to provide an overview on how the interactive visualization of networks can support a better understanding of the network topologies themselves as well as of so-called primary and secondary data which is mapped onto network elements. Here, I will focus on selected interaction techniques and visual representations and exemplify them by visualization tools developed by or in close collaboration with the ISOVIS research group at Linnaeus University.

Interessenten sind herzlich eingeladen