

# Visual analysis of dynamic processes



**Monday 9 January 2017 - Wednesday 11 January 2017**

**Rigi Kulm**

## Scientific Programme

## Scientific programme

The scientific program will be organized with presentation sessions in the mornings to inspire the discussions in the afternoons. Each day will be introduced by a longer lecture to provide the overview. The lecture will be followed by shorter contributions and there will also be a poster session.

There will be given plenty time for informal discussions in small groups. The discussions are related to the problems that occur when data from 4D imaging experiments are analyzed and visualized.

Reconstruction techniques for 4D data

Multidimensional image processing with special interest on time evolving data

Visualization techniques for multidimensional data

How can the large scale research facility users benefit from advanced analysis and visualization techniques.

more topics will come on the request of the participants.

The aim of the discussions is to identify analysis problems and to find a strategy how to create a multidisciplinary network to target the solution of these problems in the future.

## Invited speakers

Anna Vilanova, Tensor visualization

Eduard Gröller, Visualization for NDT applications

Rüdiger Westermann, mVisualization of Vector fields

Jos Roerdink, Visualisation of multidimensional data

Marcus Hanwell, Paraview developer team  
Scientific committee

Francesco De Carlo

Christoph Heinzl

Anders Kaestner

Lucia Mancini

Federica Marone

Rajmund Mokso  
Local organization committee

Anders Kaestner

Federica Marone

Chiara Carminati

Renate Bercher (Secretary)

## **Lectures**

## **Discussions**

## **Meals and breaks**