

Intensive Research Period
May – July 2011

KNOTS & APPLICATIONS



Workshop
Topology in Fluid Flow Visualization
24 June, 2011

Mathematical Research Centre (CRM) “Ennio De Giorgi”
Scuola Normale Superiore – Pisa, Italy

URL: <http://www.crm.sns.it/hpp/events/event.html?id=146>

URL: <http://www.isg.cs.uni-magdeburg.de/workshop/>

In order to study and understand flow phenomena, visualization approaches have become a common tool. This is due to the fact that the human visual system can process large amounts of information in a very short time. Among the variety of existing visualization techniques, topological methods play an important role because they are suited to describe complex phenomena by using a low number of graphical primitives.

The present workshop will provide an overview of modern visualization approaches based on flow topology for unsteady flows. Implementation of new ideas, current challenges and limitations of such techniques are discussed as well as new potential areas of application. As part of the workshop, recent results from the ongoing EU FET-Open project SemSeg will be presented.

Invited Speakers

Simon Candelaesi, U. Stockholm, Sweden
Ingrid Hotz, Zuse Institute Berlin, Germany
Robert Kerr, U. Warwick, UK
Alexander Kuhn, U. Magdeburg, Germany
Alan Lez, VRVis-GmbH Wien, Austria
Etienne Memin, INRIA Rennes, France
Mathias Otto, U. Magdeburg, Germany
Armin Pobitzer, U. Bergen, Norway
Renzo Ricca, U. Milano-Bicocca, Italy
Benjamin Schindler, ETH Zürich, Switzerland

Registration: Participants are kindly requested to register via the CRM website above by **20 June, 2011**.

For further information: please contact Petra Specht at specht@isg.cs.uni-magdeburg.de or visit the website at URL: <http://www.isg.cs.uni-magdeburg.de/workshop/>.