

**NRN - Industrial Geometry
Closing Workshop**

Galerie, Hotel Bellevue, Althanstrasse 5, 1091 Vienna
October 19-21, 2011

Program

Wednesday, October 19, 2011

Group H. Pottmann

- 09:00-09:45 Helmut Pottmann (KAUST/TU Vienna), „*Shape Space Exploration of Constrained Meshes*“
- 09:45-10:30 Bailin Deng (TU Vienna), „*Functional Webs*“
- 10:30-10:50 *Coffee Break*
- 10:50-11:35 Martin Kilian (TU Vienna), „*Paneling Freeform Surfaces*“
- 11:35-12:20 Christian Müller (TU Vienna), „*On discrete constant mean curvature surfaces*“
- 12:20-13:30 *Lunch*

Group J. Wallner

- 13:30-14:15 Johannes Wallner (TU Graz), „*Circular Arc Structures* „
- 14:15-15:00 Oleg Karpenkov (TU Graz), „*Curvatures of semidiscrete surfaces*“
- 15:00-15:20 *Coffee Break*
- 15:20-16:05 Alexander Schiftner (TU Vienna), „*Architectural Geometry in Practice*“
- 16:05-16:50 Amir Vaxman (TU Vienna), „*A Multi-Resolution Approach to Heat Kernels on Discrete Surface*“

Thursday, October 20, 2011

Group O. Aichholzer

- 09:00-09:45 Guenter Rote (FU-Berlin), „*Motion Planning for a Rigid Planar Robot*“

- 09:45-10:30 Nicola Wolpert (HFT Stuttgart), „*RASAND: Robust GPU-Based Algorithms for distance computation between large Moving triangular meshes*“
- 10:30-10:50 *Coffee Break*
- 10:50-11:35 Ulrich Krispel (TU-Graz), „*Shape Grammars on Convex Polyhedra*“
- 11:35-12:20 Stefan Huber (Uni Salzburg), „*Straight skeletons in Science and industrial applications*“
- 12:20-13:30 *Lunch*

Group B. Jüttler

- 13:30-14:15 Maria Lucia Sampoli (University of Siena, Italy), „*Rotation – minimizing frames on space curves for camera motions*“
- 14:15-14:45 Tino Schulze (Uni Linz), „*Approximate Implicitization of Planar and Spatial Envelopes*“
- 14:45-15:05 *Coffee Break*
- 15:05-15:35 Birgit Strodthoff (Uni Linz), „*Horizontal Decomposition of Triangulated Solids for the Simulation of Dip-coating Processes*“

Friday, October 21, 2011

Group O. Scherzer

- 08:30-09:30 Christoph Schnoerr (Uni Heidelberg), „*Variational Image Labeling and Shape Priors*“
- 09:30-10:30 Matthias Hein (Uni Saarland), „*Nonlinear eigenproblems in data analysis*“
- 10:30-10:50 *Coffee Break*
- 10:50-11:20 Markus Grasmair (Uni Vienna), „*Sparse Regularisation for the Solution of Inverse Problems*“
- 11:20-11:50 Nicolas Thorstensen (Uni Vienna), „*Image decomposition on surfaces*“
- 11:50-14:00 ***Lunch and closing Statement***

List of Participants

SP02:

Bert Jüttler (Uni Linz)
Tino Schulz (Uni Linz)
Birgit Strodthoff (Uni Linz)
Maria Lucia Sampoli (University of Siena, Italy)

SP 03:

Otmar Scherzer (Uni Vienna)
Thomas Fidler (Uni Vienna)
Markus Grasmair (Uni Vienna)
Nicolas Thorstensen (Uni Vienna)
Clemens Kirisits (Uni Vienna)
Wolf Naetar (Uni Vienna)
Kostantinos Kalimeris (RICAM, Linz)
Christoph Schnörr (Uni Heidelberg)
Matthias Hein (Uni Saarland)

SP 05:

Oswin Aichholzer (TU Graz)
Thomas Hackl (TU Graz)
Ulrich Krispel (TU Graz)
Guenter Rote (FU-Berlin)
Sunayana Ghosh (FU-Berlin)
Dror Atariah (FU-Berlin)
Nicola Wolpert (HFT Stuttgart)
Stefan Huber (Uni Salzburg)

SP06:

Christian Mueller (TU Vienna)
Helmut Pottmann (KAUST/TU Vienna)
Bailin Deng (TU Vienna)
Yukie Nagai (TU Vienna)
Martin Kilian (TU Vienna)
Simon Flöry (Evolute GmbH, Vienna)

SP09:

Johannes Wallner (TU Graz)
Oleg Karpenkov (TU Graz)
Alexander Schiftner (Evolute GmbH, Vienna)
Amir Vaxman (TU Vienna)