

Multiresolution Digital Geometry, Rendering, and Control of Hybrid Systems

Monday April 16, 2001

- 9:00–9:20 *Registration*
- 9:20–9:30 **Eitan Tadmor** (UCLA / University of Maryland)
Welcome
- 9:30–10:30 **Peter Schröder** (California Institute of Technology)
Digital Geometry Processing
- 10:30–11:00 *Break*
- 11:00–12:00 **Claire Tomlin** (Stanford University)
Computational Methods for Analyzing and Controlling Hybrid Systems with applications to Controlling Air Traffic and Verifying Autopilots
- 12:00–2:00 *Lunch (on your own)*
- 2:00–3:00 **Anna-Karin Tornberg** (KTH (Royal Institute of Technology), Stockholm)
The Segment Projection Method for Interface Tracking

Tuesday April 17, 2001

- 9:30–10:30 **Emmanuel Candes** (California Institute of Technology)
Curvelets, Geometry, and Computational Harmonic Analysis
- 10:30–11:00 *Break*
- 11:00–12:00 **Henrik Jensen** (Stanford University)
State of the art in rendering
- 12:00–2:00 *Lunch (on your own)*
- 2:00–3:00 **John Steinhoff** (University of Tennessee, Space Institute)
Application of Vorticity Confinement to the Prediction of the Flow over Complex Bodies



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