

Vriphys 2011 - Program

Monday 5th

9h - 10h15 **Registration**

10h15 - 10h30 **Opening (Conference chairs)**

10h30 - 12h **Session #1 - Character animation and motion (1/2) - Chair: Eric Galin**

A Study On Perceptual Similarity of Human Motions

Krüger, Björn; Jan Baumann; Mohammad Abdallah; Andreas Weber

Towards Symmetry Axis based Markerless Motion Capture.

Kahn, Svenja; Philip Hartmann; Kuijper, Arjan

Methods for Measuring State Error for Control of Animated Human Figures

Notman, Gabriel.

12h - 14h **Lunch**

14h - 16h30 **Session #2 - Physically based simulation - Chair: Kenny Erleben**

Time Adaptive Approximate SPH

Prashant, Goswami; Pajarola, Renato.

Interactive High-Resolution Boundary Surfaces for Deformable Bodies with Changing Topology

Wu, Jun; Dick, Christian; Westermann, Rüdiger.

SPH Based Shallow Water Simulation

Solenthaler, Barbara; Peter Bucher; Chentanez, Nuttapon; Mueller, Matthias; Gross, Markus.

Precomputed Shape Database for Real-Time Physically-Based Simulation.

Gloudu, Loeiz; Benoit Legouis; Marchal, Maud; Dumont, Georges.

XML3D Physics: Declarative Physics Simulation for the Web

Sons, Kristian; Slusallek, Philipp.

16h30 - 17h **Coffee break**

17h - 18h **Session #3 - Cloth simulation - Chair: Matthias Teschner**

Realtime Simulation of Stiff Threads Using Large Timesteps

Hüsken, Nathan.

Simulating inextensible cloth using locking-free triangle meshes

Bender, Jan; Diziol, Raphael Diziol; Bayer, Daniel.

20h - ??? **Dinner**

Tuesday 6th

9h – 10h **Keynote speaker - Thomas Jakobsen**

10h – 10h30 **Coffee break**

10h30 – 12h30 **Session #4 - Character animation and motion (2/2) – Chair: Jan Bender**

Adding Physics to Animated Characters with Oriented Particles
Müller-Fischer, Matthias ; Nuttapong Chentanez

Introducing congestion avoidance into CUDA based crowd simulation
Wockenfuss, Falco; Christoph Lürig

Data-Driven Completion of Motion Capture Data. Jan Baumann
Björn Krüger; Zinke, Arno; Weber, Andreas.

Focused Ultrasound - Efficient GPU Simulation Methods for Therapy Planning
Georgii, Joachim; Caroline von Dresky; Sebastian Meier; Daniel Demedts; Christian Schumann;
Tobias Preusser.

12h30 – 14h30 **Lunch**

14h30 – 15h30 **Session #5 - Aging and weathering – Chair: Eric Guérin**

Generating large-scale details: altering soil surface and structure with tracks
Alexandre Peyrat; Olivier Terraz; Merillou, Stephane; Galin, Eric; Ghazanfarpour, Djamchid.

Topological Operations for Geomorphological Evolution
BEZIN, Richard; Crespin, Benoit; Skapin Xavier; Terraz Olivier; Meseure, Philippe.

15h30 **Closing**