Symposium on Geometry Processing 2004

	Thursday, 8th	Friday, 9th	Saturday, 10th
9:00	**9:00-9:10**: **Opening** **Invited talk** : Hugues Hoppe	**Invited talk**: Joe Warren	**Invited talk**: Alexander Bobenko
10:00	**COFFEE BREAK**	**COFFEE BREAK**	**COFFEE BREAK**
10:30	Ravikrishna Kolluri, Jonathan Richard Shewchuk and James F. O'Brien - *Spectral Surface Reconstruction From Noisy Point Clouds*	Scott Schaefer, Joe Warren and Denis Zorin *Lofting Curve Networks using Subdivision Surfaces*	Ioana Boier-Martin, Holly Rushmeier and Jingyi Jin *Parameterization of Triangle Meshes over Quadrilateral Domains*
11:00	Niloy J. Mitra, Natasha Gelfand, Helmut Pottmann and Leo Guibas - *Registration of Point Cloud Data from a Geometric Optimization Perspective*	Michael Kazhdan, Thomas Funkhouser and Szymon Rusinkiewicz *Symmetry Descriptors and 3D Shape Matching*	Steve Zelinka and Michael Garland *Similarity-Based Surface Modelling Using Geodesic Fans*
11:30	Guillermo Sapiro and Facundo Memoli *Comparing Point Clouds*	Gunnar Carlsson, Afra Zomorodian, Anne Collins and Leo Guibas - *Persistence Barcodes for Shapes*	Natasha Gelfand and Leo Guibas *Shape Segmentation Using Local Slippage Analysis*
12:00	Pravin Bhat, Stephen Frowe Ingram and Greg Turk *Geometric Texture Synthesis by Example*	Sung-Eui Yoon and Brian Salomon and Ming C. Lin and Dinesh Manocha - *Fast Collision Detection between Massive Models using Dynamic Simplification*	Nathan Aaron Carr and John C. Hart *Two Algorithms for Fast Reclustering of Dynamic Meshed Surfaces*
12:30	**LUNCH**	**LUNCH**	**LUNCH**
14:00	Kun Zhou and Baining Guo *Iso-charts: Stretch-driven Mesh Parameterization using Spectral Analysis*	Scott Schaefer, Jan Hackenberg and Joe Warren *Smooth Subdivision of Tetrahedral Meshes*	Gokul Varadhan, Shankar Krishnan, TVN Sriram and Dinesh Manocha - *Topology Preserving Surface Extraction using Adaptive Subdivision*
14:30	Geetika Tewari, John Snyder, Pedro V. Sander, Steven J. Gortler and Hughes Hoppe - *Signal-Specialized Parameterization for Piecewise Linear Reconstruction*	Ioana Boier-Martin and Denis Zorin *Differentiable Parameterization of Catmull-Clark Subdivision Surfaces*	Simon Plantinga and Gert Vegter *Isotopic Approximation of Implicit Curves and Surfaces*
15:00	Budirijanto Purnomo, Jonathan Cohen and Subodh Kumar *Seamless Texture Atlases*	Charles Loop *Second Order Smoothness over Extraordinary Vertices*	**CLOSING SESSION**
15:30	**COFFEE BREAK**	**COFFEE BREAK**	
16:00	Seungyong Lee, Minsu Ahn and Hans-Peter Seidel *Connectivity Transformation for Mesh Metamorphosis*	Olga Sorkine, Daniel Cohen-Or, Yaron Lipman, Marc Alexa, Christian Roessl and Hans-Peter Seidel *Laplacian Surface Editing*	
16:30	Leila De Floriani, David Greenfieldboyce and Annie Hui *A dimension-independent data structure for non-manifold, d-dimensional objects*	Mario Botsch and Leif Kobbelt *A Remeshing Approach to Multiresolution Modeling*	
17:00	Barbara Cutler, Julie Dorsey and Leonard McMillan *Simplification and Improvement of Tetrahedral Models for Simulation*	**CGAL tutorial:** Lutz Kettner and Pierre Alliez	
17:30	**AIM@SHAPE presentation** : Bianca Falcidieno		
19:00		Apéritif at the Westminster hotel	
20:30		**DINNER (Restaurant L'Univers)**	