

Program SIGRAD 2016 (23 and 24,May) in Gotland; 40 years Anniversary

Day 1: May 23 @E22

9:30	Registration 9:30-11:30 @Cafeteria, 13:30-17:00 @E22
10:00	Opening Ceremony; Chair: Steven Bachelder (Uppasala University) <i>Opening Speech from Olle Jansson, Hans Svensson and Anders Hast</i>
10:10	Key Note Session 1 Chair: Anders Hast (Uppsala University) Ingrid Carlbom :“The Story of Computer Graphics”
11:30	Visiting GGC and Lunch@GGC conference site ; http://gotlandgameconference.com/2016/
14:00	SIGRAD 40 years Anniversary "Swedish Research Overview Session". Session 1 Chair: Tino Weinkauff (KTH)
15:20	(1) Multi-Touch Table System for Medical Visualization, Patric Ljung , <i>Anders Ynnerman, Thomas Rydell, Anders Persson, Aron Ernvik, Camilla Forsell, and Claes Lundström</i> (2) Coverage-Based Opacity Estimation for Interactive Depth of Field in Molecular Visualization, Sathish Kottavel , <i>Martin Falk, Erik Sundén, Timo Ropinski</i> (3)Masked depth culling for graphics hardware, Jon Hasselgren , <i>Magnus Andersson and Tomas Akenine-Möller</i> (4)Hybrid Data Visualization Based On Depth Complexity Histogram Analysis, Alexander Bock , <i>Stefan Lindholm, Martin Falk, Erik Sundén, Anders Ynnerman and Timo Ropinski</i> (5)Fast Similarity Search in Scalar Fields using Merging Histograms, Himangshu Saikia , <i>H.-P. Seidel and T. Weinkauff</i>
15:20	Coffee Break
15:40	SIGRAD 40 years Anniversary "Swedish Research Overview Session". Session 2 Chair: Ingrid Hotz (Linköping University)
17:00	(1) Text Visualization Techniques: Taxonomy, Visual Survey, and Community Insights. Andreas Kerren and <i>K. Kucher</i> (2) Real-time noise-aware tone mapping for HDR-video, Jonas Unger , <i>Gabriel Eilertsen and Rafal Mantiuk</i> (3) Layered Reconstruction for Defocus and Motion Blur, Jacob Munkberg , <i>Karthik Vaidyanathan, Jon Hasselgren, Petrik Clarberg, Tomas Akenine-Möller</i> (4)Compressive image reconstruction in reduced union of sub-spaces, Jonas Unger , <i>Ehsan Miandji and Joel Kronander</i> (5) Multi-field Pattern Matching based on Sparse Feature Sampling, Tino Weinkauff , <i>Z. Wang and H.-P. Seidel</i>
17:00	Poster Presentation @ Café near E22
17:30	(1) Automatic CG Talk Show Generation from the Internet Forum, <i>Masaki Hayashi, Steven Bachelder and Nakajima Masayuki (Uppsala University), Sweden</i> (2) Digital archive of the SHISHIMAI using AR Toolkit, <i>Yuya Watanabe (ARCGEO Inc.) and Hidekazu Tsujiai (University of Toyama), Japan</i> (3) Towards Full-Scale Ray Tracing in Games, <i>Afshin Ameri E. and Thomas Larsson (Malardalen University), Sweden</i> (4) Pattern Generation with Cellular Automata in Hexagonal Modular Spaces, <i>Mikael Fridenfalk (Uppsala University), Sweden</i> (5) Low Quality Mobile Image Data Processing Under Uneven Shading, <i>Xiaohua Zhang (Hiroshima Institute of Technology, Japan), Ning Xie (Tongji University, China), Masayuki Nakajima, Masaki Hayashi and Steven Bachelder (Uppsala University), Sweden</i>
	Free time (SIGRAD Board meeting @ E31)
18:00	Welcome Party @Cafeteria (18:00-19:30)
19:30	GGC Award ceremony

Day 2: May 24 @E22

9:00	Registration 9:00-11:00 @E22
9:30-10:30	Key Note Session 2 Chair Masayuki Nakajima (Uppsala University) Carlotta Capurro (Visual Dimension in Belgium):“3D reconstruction-Innovative forms of studying and experiencing the past“
10:30	Coffee Break
10:50	Paper Session Chair: Mikael Fridenfalk (Uppsala University)
12:50	(1) Dynamic Creation of Multi-resolution Triangulated Irregular Network, <i>Emil Bertilsson and Prashant Goswami (Blekinge Technology Institute), Sweden</i> (2) A Radial Basis Function Approximation for Large Datasets, <i>Zuzana Majdisova and Vaclav Skala (University of West Bohemia), Czech Republic</i> (3) Vector Field Interpolation with Radial Basis Functions, <i>Michal Smolik and Vaclav Skala (University of West Bohemia), Czech Republic</i> (4) Output Sensitive Collision Detection for Unisize Boxes, <i>Gabriele Capannini and Thomas Larsson (Malardalen University), Sweden</i> (5) Analysis of camera work in horror movies, <i>Liselotte Heimdahl (student), Yoshihisa Kanematsu (Tokyo Metropolitan University), Naoya Tsuruta (Tokyo University of Technology), Ryuta Motegi (Tokyo Metropolitan University), Kunio Kondo and Koji Mikami (Tokyo University of Technology), Japan</i> (6) Interactive 4D MRI blood flow exploration and analysis using line predicates, <i>Jochen Jankowai (Linköping Institute of Technology, Sweden, student), Rickard Englund (Linköping Institute of Technology, Sweden), Timo Ropinski (Ulm Institute of Media Informatics, Germany) and Ingrid Hotz (Linköping Institute of Technology, Sweden)</i>
12:50	Closing Chair