

IEEE PacificVis 2009

April 20-23, 2009 Beijing, China

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Mon. April 20, 2009 Day 1:	
09: 00 a .m. - 12:30 p.m.	Tutorial 1: Fundamentals and Frontiers of Visual Analytics Presenters: Jim Thomas (Director, National Visualization and Analytics Center, PNNL, USA), David Ebert (Director, Purdue Regional Visualization and Analytics Center, Purdue University, USA,)
09: 00 a .m. - 12:30 p.m.	Tutorial 2: Graph Visualization Presenters: Guseppe Liotta and Walter Didimo (Università degli Studi di Perugia, Italy)
14:00 p.m. - 17:30 p.m.	Tutorial 3: Multidimensional Visualization 2009: New Shapes, Insights and Applications Presenters: Alfred Inselberg (Tel Aviv University, Israel), Pei Ling Lai (Southern Taiwan University), Heejo Lee (Korea University, Korea)
14:00 p.m. - 17:30 p.m.	Tutorial 4: Interactive Methods in Scientific Visualization Presenters: Jens Krueger (University of Utah, USA), Christof Rezk-Salama (Universitaet Siegen, Germany), Christian Dick, Jens Schneider (Technische Universitaet Muenchen, Germany)

Tue. April 21, 2009 Day 2:	
09: 00 a.m. - 09:15 a.m.	Welcome
09: 15 a.m. - 10:30 a.m.	Keynote Speaker: Professor Jarke van Wijk Knots, Maps, and Tiles: Three Visual Puzzles Technische Universiteit Eindhoven, Netherlands
10: 30 a.m. - 11:00 a.m.	Coffee Break
11: 00 a.m. - 11.30 a .m.	Paper Faster Forward
11: 30 a.m. - 12:45 p.m.	Paper Session 1 Feature Extraction and Tracking Visualizing Time-Varying Features with TAC-based Distance Fields Teng-yok Lee, Han-Wei Shen (Ohio State University, USA) Dual Streamline Seeding Olufemi Rosanwo, Steffen Prohaska, Christoph Petz, Ingrid Hotz, Hans-Christian Hege (Zuse Institute Berlin, Germany) Interactive Feature Extraction and Tracking By Utilizing Region Coherency Chris Muelder, Kwan-Liu Ma (University of California at Davis, USA)
12.45 p.m. - 14.00 p.m.	Lunch Break
14:00 p.m. - 15:40 p.m.	Session 2 Information Visualization I An Organization Topographic Map for Visualizing Business Hierarchical Relationships Rieko Otsuka (Hitachi Ltd., Japan) Visualizing Metrics on Areas of Interest in Software Architecture Diagrams Alexandru Telea, Heorhiy Byelas (University of Groningen, Netherlands) HiMap: Adaptive Visualization of Large-Scale Online Social Networks Lei Shi, Shixia Liu, Nan Cao, Weihong Qian, Li Tan (IBM China Research Laboratory, China), Guodong Wang (Tsinghua University, China), Jimeng Sun, Ching-Yung Lin (IBM T. J. Watson Research Center, USA) Toward Effective Insight Management in Visual Analytics Systems Yang Chen, Jing Yang, William Ribarsky (University of North Carolina at Charlotte, USA)
15:40 a .m. - 16:10 a.m.	Coffee Break
16:10 p.m. - 17:25 p.m.	Session 3 Visualization Systems Visual Support for the Understanding of Simulation Processes Andrea Unger, Heidrun Schumann (Universitaet Rostock, Germany) Optimized Data Transfer for time-dependent, GPU-based Glyphs Sebastian Grottel, Guido Reina, Thomas Ertl (Universitaet Stuttgart, Germany) Out-of-Core Volume Rendering for Time-Varying Fields Using a Space-Partitioning (SPT) Tree Zhiyan Du, Yi-Jen Chiang (Polytechnic Institute of New York University, USA), Han-Wei Shen (Ohio State University, USA)
17:25 p.m. - 17:55 p.m.	Poster Fast Forward
19:00 p.m. - 21:30 p.m.	Banquet + Poster Display

Wed. April 22, 2009 Day 3:	
09: 00 a.m. - 10:40 a.m.	Paper Session 4 Information Visualization II Point-based Tree Representation - A New Approach for Large Hierarchies Hans-Jörg Schulz, Heidrun Schumann, Steffen Hadlak (University of Rostock, Germany) A Visual Canonical Adjacency Matrix for Graphs Hongli Li (Pfizer, Inc., USA), Georges Grinstein (University of Massachusetts Lowell, USA) Evaluation of Symbol Contrast in Scatterplots

Jing Li, Jarke van Wijk (Technische Universiteit Eindhoven, Netherlands)
 A Self-adaptive Treemap-based Technique for Visualizing Hierarchical Data in 3D
 Abon Chaudhuri, Han-Wei Shen (Ohio State University, USA)

10:40 a.m. - 11:10 a.m.	Coffee Break
11:10 a.m. - 12:50 p.m.	<p>Paper Session 5 Graph Drawing</p> <p>TugGraph: Path-Preserving Hierarchies for Browsing Proximity and Paths in Graphs Daniel Archambault (INRIA, France), Tamara Munzner (University of British Columbia, Canada), David Auber (LaBRI Laboratoire bordelais de recherche en informatique, France)</p> <p>A Hybrid Space-Filling and Force-Directed Layout Method for Visualizing Multiple-Category Graphs Takayuki Itoh (Ochanomizu University, Japan), Chris Muelder, Kwan-Liu Ma (University of California at Davis, USA), Jun Sese (Ochanomizu University, Japan)</p> <p>Extending the Spring-Electrical Model to Overcome Warping Effects Yifan Hu, (AT&T Labs Research, USA), Yehuda Koren (Yahoo! Research, USA)</p> <p>A Graph Reading Behavior: Geodesic-Path Tendency Weidong Huang, Peter Eades, Seokhee Hong (University of Sydney, Australia)</p>
12:50 p.m. - 14:00 p.m.	Lunch Break
14:00 p.m. - 15:40 p.m.	<p>Paper Session 6 Visualization Applications</p> <p>Visualizing Diffusion Tensor Imaging Data with Merging Ellipsoids Wei Chen (Zhejiang University, China), Song Zhang (Mississippi State University, USA), Steve Correia, (Brown University, USA), David F. Tate (Harvard Medical School, USA)</p> <p>Fast and Sleek Glyph Rendering for Interactive HARDI Data Exploration Tim Peeters, Vesna Prckovska, Markus van Almsick, Anna Vilanova, Bartter Haar Romeny (Technische Universiteit Eindhoven, Netherlands)</p> <p>Correlation Study of Time-Varying Multivariate Climate Data Sets Jeffrey Sukharev, Chaoli Wang, Kwan-Liu Ma (University of California at Davis, USA), Andrew T. Wittenberg (National Oceanic and Atmospheric Administration, USA)</p> <p>Visualization of Signal Transduction Processes in the Crowded Environment of the Cell Martin Falk, Michael Klann, Matthias Reuss, Thomas Ertl (Universitaet Stuttgart, Germany)</p>

Thu. April 23, 2009 Day 4:	
09:00 a.m. - 10:40 a.m.	<p>Paper Session 7 Volume Visualization</p> <p>Visibility-Driven Transfer Functions Carlos Correa, Kwan-Liu Ma (University of California at Davis, USA)</p> <p>Contextual Picking of Volumetric Structures Peter Kohlmann, Stefan Bruckner (Vienna University of Technology, Austria), Armin Kanitsar (AGFA HealthCare, Austria), Eduard Gröller, (Vienna University of Technology, Austria)</p> <p>Structure-Aware Viewpoint Selection for Volume Visualization Yubo Tao, Hai Lin, Hujun Bao (Zhejiang University, China), Feng Dong, Gordon Clapworthy (University of Bedfordshire, UK)</p> <p>Moment Curves Daniel Patel (University of Bergen, Norway)</p>
10:40 a.m. - 11:00 a.m.	Coffee Break
11:00 a.m. - 12:10 p.m.	<p>Capstone</p> <p>Introduction to Processing and Visualization of Chang'e-1 Lunar Exploration Data Speaker: Professor Zesheng Tang Macao University of Science and Technology, Macao</p>
12:10 a.m. - 12:30 p.m.	Awarding Ceremony & Closing Remarks
12:30 p.m. - 14:00 p.m.	Lunch Break

Visualization Workshop	Thu April 23rd, 2009 Day 4:
14:00 p.m. - 16:00 p.m.	Workshop Paper Session 1 (6 papers)
16:00 p.m. - 16:20 p.m.	Coffee Break
16:30 p.m. - 17:50 p.m.	Workshop Paper Session 2 (4 papers)
17:50 a.m. - 18:30 p.m.	Discussion