ALENEX Program Schedule

Holiday Inn Golden Gateway, San Francisco, California, January 19, 2008

All sessions will take place in Redwood, Lower Lobby Level, unless otherwise noted.

8:00 AM	Continental Breakfast (*Crystal Ballroom – Lobby Level*)
8:30 AM	**Compressed Inverted Indexes for In-Memory Search Engines** Frederik Transvier and Peter Sanders
8:50 AM	**SHARC: Fast and Robust Unidirectional Routing** Richard Bauer and Daniel Delling
9:10 AM	**Obtaining Optimal k-Cardinality Trees Fast** Markus Chimani, Maria Kandyba, Ivana Ljubic and Petra Mutzel
9:30 AM	**Implementing Partial Persistence in Object-Oriented Languages** Frederic Pluquet, Stefan Langerman, Roel Wuyts and Antoine Marot
9:50 AM	**Comparing Online Learning Algorithms to Stochastic Approaches for the Multi-Period Newsvendor Problem** Shawn O'Neil and Amitabh Chaudhary
10:10 AM	Coffee Break (*Crystal Ballroom – Lobby Level*)
10:30 AM	ALENEX Invited Plenary Speaker: Rolf Möhring, Technische Universität Berlin, Germany **Routing in Graphs with Applications to Material Flow Problems**
11:30 AM	Lunch Break (*attendees on their own*)
1:00 PM	ANALCO Invited Plenary Speaker: Don Knuth, Stanford University **Some Puzzling Problems**
2:00 PM	Intermission
2:15 PM	**How much Geometry it takes to Reconstruct a 2-Manifold in R3** Daniel Dumitriu, Stefan Funke, Martin Kutz and Nikola Milosavljevic
2:35 PM	**Geometric Algorithms for Optimal Airspace Design and Air Traffic** Amitabh Basu, Joseph Mitchell, Girishkumar Sabhnani
2:55 PM	**Better Approximation of Betweenness Centrality** Robert Geisberger, Peter Sanders and Dominik Schultes
3:15 PM	**Decoupling the CGAL 3D Triangulations from the Underlying Space** Manuel Caroli, Nico Kruithof and Monique Teillaud
3:35 PM	**Consensus Clustering Algorithms: Comparison and Refinement** Vladimir Filkov and Andrey Goder
3:55 PM	Coffee Break (*Crystal Ballroom – Lobby Level*)
4:15 PM	**Shortest Path Feasibility Algorithms: An Experimental Evaluation** Boris Cherkassky, Loukas Georgiadis, Andrew Goldberg, Robert Tarjan and Renato Werneck
4:35 PM	**Ranking Tournaments: Local Search and a New Algorithm** Tom Coleman and Anthony Wirth
4:55 PM	**An Experimental Study of Recent Hotlink Assignment Algorithms** Tobias Jacobs
5:15 PM	**Empirical Study on Branchwidth and Branch Decomposition of Planar Graphs** Zhengbing Bian, Qianping Gu, Marjan Marzban, Hisao Tamaki and Yumi Yoshitake
5:45 PM	Business Meeting
6:30 PM	Welcome Reception (*Emerald Room – Lobby Level*)