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)