ALENEX Program Schedule
January 3, 2009
New York Marriott Downtown, New York, New York

All sessions will take place in Grand Salon A/B - 3rd Floor, unless otherwise noted.

8:30 AM  An Experimental Study of Minimum Cycle Mean Algorithms
Loukas Georgiadis, Andrew Goldberg, Robert E. Tarjan and Renato Werneck

8:50 AM  Solving Maximum Flow Problems on Real World Bipartite Graphs
Silvestru Negruseri, Mircea Pasoi, Cliff Stein, Barbara Stanley and Cristian Strat

9:10 AM  Tuning BNDM with q-Grams
Branislav Durian, Jan Holub, Hannu Peltola and Jorma Tarhio

9:30 AM  Rank Aggregation: Together We're Strong
Anke van Zuylen and Frans Schalekamp

9:50 AM  The Filter-Kruskal Minimum Spanning Tree Algorithm
Vitaly Osipov, Peter Sanders and Johannes Singler

10:10 AM Coffee Break (Financial Ballroom - 2nd Floor)

10:30 AM ALENEX Invited Plenary Speaker
Algorithmic Problems in Air Traffic
Joseph S.B. Mitchell, State University of New York at Stony Brook

11:30 AM Lunch Break (attendees on their own)

1:00 PM  ANALCO Invited Plenary Speaker
Mathematics and Computer Science Serving/impacting Bioinformatics
Gaston Gonnet, ETH Zürich, Switzerland

2:00 PM Intermission

2:15 PM  Four-Dimensional Hilbert Curves for R-Trees
Herman Haverkort and Freek van Walderveen

2:35 PM  The Domination Heuristic for LP-type Problems
Taras Galkovskyi, Bernd Gärtner and Bogdan Rublev

2:55 PM  Design and Implementation of a Practical I/O-efficient Shortest Paths Algorithm
Ulrich Meyer and Vitaly Osipov

3:15 PM  Time-Dependent Contraction Hierarchies
G. Veit Batz, Daniel Delling and Peter Sanders

3:35 PM  Drawing Binary Tanglegrams: An Experimental Evaluation
Martin Nöllenburg, Markus Voelker, Alexander Wolff and Danny Holten

3:55 PM  Coffee Break (Financial Ballroom - 2nd Floor)

4:15 PM  Dealing with Large Hidden Constants: Engineering a Planar Steiner Tree PTAS
Siamak Tazari and Matthias Müller -Hannemann

4:35 PM  Theory and Practise of Monotone Minimal Perfect Hashing
Djamal Belazzougui, Paolo Boldi, Rasmus Pagh and Sebastiano Vigna

4:55 PM  Quasirandom Rumor Spreading: An Experimental Analysis
Benjamin Doerr, Tobias Friedrich, Marvin Künnemann and Thomas Sauerwald

5:15 PM  Experimental comparison of the two Fredman-Khachiyan-algorithms
Matthias Hagen, Peter Horatschek and Martin Mundhenk

5:35 PM  Randomized Rounding in the Presence of a Cardinality Constraint
Benjamin Doerr and Magnus Wahlström

6:00 PM Business Meeting

6:30 PM Welcome Reception (Financial Ballroom - 2nd Floor)