**Sunday, 9 May 2004**
19:00-21:00  Reception (food provided)  Registration

**Monday, 10 May 2004**
08:00-09:00  Breakfast (provided @ Foyer)  Registration
09:00-09:20  Opening
09:20-10:10  Session 1 [Hard instances]
  - A Random Constraint Satisfaction Problem That Seems Hard for DPLL
    Harald Comnasscher
  - From Spin Glasses to Hard Satisfiable Formulas
    Haixia Jia, Chris Moore, and Bart Selman
10:10-10:50  Coffee Break
10:50-12:30  Session 2 [SAT Solvers]
  - Combining Component Caching and Clause Learning for Effective Model Counting
    Tian Sang et al.
  - Early Conflict Detection Based BCP for SAT Solving
    Matthew D.T. Lewis, Tobias Schubert, and Bernd W. Becker
  - UBSCAT: An Implementation and Experimentation Environment for SLS Algorithms for SAT & MAX-SAT
    Dave A.D. Tompkins and Holger H. Hoos
  - CirCUs: A Hybrid Satisfiability Solver
    Hoon Sang Jin and Fabio Somenzini
12:30-14:20  Lunch (provided @ Vistas 19th Floor)
14:20-15:20  Invited Talk
  The Behavior of SAT Solvers in Model Checking Application
  Ken McMillan, Cadence Berkeley Labs
15:20-15:50  Coffee Break (registration)
15:50-16:40  Session 3 [Algs. & Bounds I]
  - Approximation Algorithm for Random MAX-kSAT
    Yannet Intarian
  - Algorithms for Satisfiability using Independent Sets of Variables
    Ravi Gummadi, N.S. Narayanawamy, and R. Venkatakrishnan
16:40-18:00  SAT Solvers Competition & QBF Solvers Evaluation

**Tuesday, 11 May 2004**
08:00-09:00  Breakfast (provided @ Foyer)  Registration
09:00-10:15  Session 3 [Algs. & Bounds II]
  - Derandomization of Schuler's Algorithm for SAT
    Evgeny Dantsin and Alexander Wolpert
  - Polynomial Time SAT Decision, Hypergraph Transversals and the Hermitian Rank
    Nicola Galesi and Oliver Kullmann
  - Computing Unsatisfiable k-SAT Instances with Few Occurrences per Variable
    Shlomo Hoory and Stefan Szeider
10:15-10:50  Coffee Break
10:50-12:30  Session 5 [Properties of Formulae / Non-Bool. Problems]
  - Detecting Backdoor Sets with Respect to Horn and Binary Clauses
    Naomi Nishimura, Prabhakar Ragde, and Stefan Szeider
  - A Note on Satisfying Truth-Value Assignments of Boolean Formulas
    Zbigniew Stachniak
  - Mapping Problems with Finite-Domain Variables into Problems with Boolean Variables
    Carlos Ansotegui and Felip Manya
  - Using Lower-Bound Estimates in SAT-Based Pseudo-Boolean Optimization
    Vasco M. Manquinho and João Marques-Silva
12:30-14:20  Lunch (provided @ Vistas 19th Floor)
14:20-15:20  Poster Session I
  - Worst Case Bounds for some NP-Complete Modified Horn-SAT Problems
    Stefan Porschen and Ewald Speckenmeyer
  - Satisfiability Threshold of the Skewed Random k-SAT
    Danila A. Sinopalnikov
  - Local Search for Very Large SAT Problems
    Steven Prestwich and Colin Quirke
  - Local Search with Bootstrapping
    Lening Li and Miroslaw Truszczynski
  - Efficient Implementations of SAT Local Search
    Alex Fukunaga
  - Adding a New Conflict Based Branching Heuristic in two Evolved DPLL SAT Solvers
    Renato Bruni and Andrea Santoro
  - Using Rewarding Mechanisms for Improving Branching Heuristics
    Elsa Carvalho and João Marques-Silva
  - On Computing Minimum Unsatisfiable Cores
    Ines Lynce and João Marques-Silva
  - Visualizing the Internal Structure of SAT Instances
    Carsten Sinz
15:20-16:20  Poster Session I (coffee provided)

**Wednesday, 12 May 2004**
08:00-09:00  Breakfast (provided @ Foyer)
09:00-10:15  Session 6 [Non-CNF SAT I]
  - Using DPLL for Efficient OBDD Construction
    Jinbo Huang and Adnan Darwiche
  - Search vs. Symbolic Techniques in Satisfiability Solving
    Guoqiang Pan and Moshe Y. Vardi
  - Solving Non-clausal Formulas with DPLL search
    Christian Thillault, Fahiem Bacchus, and Toby Walsh
  - Automatic Extraction of Functional Dependencies
    Eric Gregoire et al.
10:15-10:50  Coffee Break (registration)
10:50-12:30  Session 7 [Non-CNF SAT II]
  - A SAT-based Decision Procedure for the Boolean Combination of Difference Constraints
    Alessandro Armando et al.
  - Aligning CNF- and Equivalence-reasoning Constraints
    Marin Heule and Hans van Maaren
  - An Algebraic Approach to the Complexity of Generalized Conjunctive Queries
    Michael Bauland et al.
  - A SAT Based Scheduler for Tournament Schedules
    Hantao Zhang, Dapeng Li, and Haiou Shen
12:30-14:00  Lunch (provided @ Vistas 19th Floor)
14:00-00:30  Excursion & Banquet
  14:30  Group Leaves Hotel for Aquarium (by foot – meet in Foyer)
  17:30  Bus Leaves Aquarium for Banquet
  17:30  Bus Leaves Hotel for Banquet
  19:30  Banquet Starts (Grouse Mountain)
  ~23:15  Skyride Leaves Mountain Top
  ~23:45  Skyride Leaves Mountain Top
16:20-18:00  Session 6 [Non-CNF SAT I]
  - Using DPLL for Efficient OBDD Construction
    Jinbo Huang and Adnan Darwiche
  - Search vs. Symbolic Techniques in Satisfiability Solving
    Guoqiang Pan and Moshe Y. Vardi
  - Solving Non-clausal Formulas with DPLL search
    Christian Thillault, Fahiem Bacchus, and Toby Walsh
  - Automatic Extraction of Functional Dependencies
    Eric Gregoire et al.
Thursday, 13 May 2004

08:00-09:00  Breakfast (provided @ Foyer)

09:00-10:15  Session 8  [Bounded Model Checking]

- **Encoding Global Unobservability for Efficient Translation to SAT**
  Miroslav N. Velev

- **Incremental Compilation-to-SAT Procedures**
  Marco Benedetti and Sara Bernardini

- **Analysis of Search Based Algorithms for Satisfiability of Quantified Boolean Formulas Arising from Circuit State Space Diameter Problems**
  Daijue Tang et al.

10:15-10:50  Coffee Break

10:50-12:30  Session 9 [QBF]

- **Looking Algebraically at Tractable Quantified Boolean Formulas**
  Hubie Chen and Victor Dalmau

- **Equivalence Models for Quantified Boolean Formulas**
  Hans Kleine Büning and Xishun Zhao

- **Resolve and Expand**
  Armin Biere

- **QBF Reasoning on Real-World Instances**
  Enrico Giunchiglia, Massimo Narizzano, and Armando Tacchella

12:30-14:20  Lunch (provided @ Vistas 19th Floor)

14:20-15:20  Poster Overview Session II

- **A Comparative Study of 2QBF Algorithms**
  Darsh P. Ranjan, Daijue Tang, Sharad Malik

- **Dealing with Symmetries in Quantified Boolean Formulas**
  Gilles Audemard, Bertrand Mazure and Lakhdar Sais

- **Improving First-order Model Searching by Propositional Reasoning and Lemma Learning**
  Zhue Huang, Hantao Zhang and Jian Zhang

- **Boolean Ring Satisfiability**
  Nachum Dershowitz, Jieh Hsiang, Guan-Shieng Huang, and Daher Kaiss

- **Game-SAT: A Preliminary Report**
  Ling Zhao and Martin Müller

- **Verifying the On-Line Help System of SIEMENS Magnetic Resonance Tomographs**
  Carsten Sinz and Wolfgang Kuchlin

- **NiVER: Non Increasing Variable Elimination Resolution for Preprocessing SAT instances**
  Sathiamoorthy Subbarayan and Dhiraj K Pradhan

- **The Optimality of a Fast CNF Conversion and its Use with SAT**
  Daniel Sheridan

- **Full CNF Encoding: The Counting Constraints Case**
  Olivier Bailleux and Yacine Boufkhad

15:20-16:20  Poster Session II (coffee provided)