

FUN 2007 Program

SUNDAY, JUNE 3, 2007

14:30 **Conference registration**

15:30 **Invited Talk:** *Fun with Sub-linear Time Algorithms*. Luca Trevisan, *UC Berkeley*

16:30 **Coffee Break**

17:00 *Pictures from Mongolia - Partial Sorting in a Partial World*. Paolo Boldi, *U. Milano*; Flavio Chierichetti, *U. Roma "La Sapienza"*; Sebastiano Vigna, *U. Milano*

17:30 *Die Another Day*. Rudolf Fleischer, *Fudan U.*

18:00 *Efficient Algorithms for the Spoonerism Problem*. Hans-Joachim Böckenhauer, *Juraj Hromkovic*, Richard Kralovic, Tobias Mömke, *ETH*; Kathleen Steinhöfel, *King's College*

18:30 *Tablatures for Stringed Instruments and Generating Functions*. Davide Baccherini, Donatella Merlini, Renzo Sprugnoli, *U. Firenze*

20:00 **Welcome Reception**

MONDAY, JUNE 4, 2007

09:00 **Invited Talk:** *On Embedding a Graph in the Grid with the Maximum Number of Bends and Other Bad Features*. Giuseppe Di Battista, *U. Roma III*

10:00 **Coffee Break**

10:30 *The Worst Page-Replacement Policy*. Jeremy Fineman, Kunal Agrawal, *MIT*; Michael Bender, *Stony Brook U.*

11:00 *Sorting the Slow Way: An Analysis of Perversely Awful Randomized Sorting Algorithms*. Hermann Gruber, *LMU München*; Markus Holzer, Oliver Ruepp, *TU München*

11:30 *Approximating Rational Numbers by Fractions*. Michal Forisek, *Comenius U.*

12:00 *Drawing Borders Efficiently*. Kazuo Iwama, *Kyoto*; Eiji Miyano, *Kyushu IT*; Hirotaka Ono, *Kyushu U.*

12:30 *Knitting for Fun: a Recursive Sweater*. Anna Bernasconi, Chiara Bodei, Linda Pagli, *U. Pisa*

13:00 **Lunch**

15:00 *The Ferry Cover Problem*. Michael Lampis, Valia Mitsou, *NTU Athens*

15:30 *The Traveling Beams Optical Solutions for Bounded NP-Complete Problems*. Shlomi Dolev, Hen Fitoussi, *Ben-Gurion U.*

16:00 *High Spies (or How to Win a Programming Contest)*. Andre Deutz, Rudy Van Vliet, Hendrik Jan Hoogeboom, *U. Leiden*

16:30 **Coffee Break**

17:00 *HIROIMONO is NP-complete*. Daniel Andersson, *U. Aarhus*

17:30 *The Troubles of Interior Design - A Complexity Analysis of the Game Heyawake*. Markus Holzer, Oliver Ruepp, *TU München*

18:00 *Cryptographic and Physical Zero-Knowledge Proof Systems for Solutions of Sudoku Puzzles*. Ronen Gradwohl, Moni Naor, *Weizmann*; Benny Pinkas, *U. Haifa*; Guy Rothblum, *MIT*

18:30 *Wooden Geometric Puzzles: Design and Hardness Proofs*. Helmut Alt, *FU Berlin*; Hans Bodlaender, Marc van Kreveld, *U. Utrecht*; Günter Rote, *FU Berlin*; Gerard Tel, *U. Utrecht*

20:00 **Social Dinner**

TUESDAY, JUNE 5, 2007

09:00 **Invited Talk:** *CLOSE ENCOUNTERS WITH A BLACK HOLE or Explorations and Gatherings in Dangerous Graphs*. N. Santoro, *Carleton U.*

10:00 **Coffee Break**

10:30 *Intruder Capture in Sierpinski Graphs*. Flaminia Luccio, *U. Venezia*

11:00 *On the Complexity of the Traffic Grooming Problem in Optical Networks*. Mordechai Shalom, *Technion and TelHai*; Walter Unger, *RWTH Aachen*; Shmuel Zaks, *Technion*

11:30 *Web Marshals Fighting Curly Link Farms*. Fabrizio Luccio, Linda Pagli, *U. Pisa*

12:00 *Robots and Demons (The Origins Code)*. Yoann Dieudonné, Franck Petit, *LaRIA CNRS*

FUN attendees have also access to the following session of invited talks of SIROCCO 2007 on the late afternoon of **Tuesday, June 5, 2007** (see <http://www.di.unipi.it/SIROCCO2007>):

17:00 **Invited Talk:** *Fast Distributed Algorithms via Primal-Dual*. Alessandro Panconesi, *U. Roma "La Sapienza"*

18:00 **Invited Talk:** *Looking Up and Down Stream Algorithms Research*. S. Muthukrishnan, *Rutgers*