Program

Monday, October 29, 2007

09:00  Welcome and Opening Ceremony

SESSION 1: String Processing
   Chair: Gad Landau, Univ. of Haifa, Israel
09:30  Christos Makris, Yannis Panagis, Evangelos Theodoridis and Athanasios Tsakalidis
   A Web-Page Usage Prediction Scheme Using Weighted Suffix Trees
10:00  Yair Dombb, Ohad Lipsky, Benny Porat, Ely Porat and Asaf Zur
   Approximate Swap and Mismatch Edit Distance
10:30  Raphael Clifford and Ely Porat
   A Filtering Algorithm for $k$-Mismatch with Don’t Cares
11:00  Coffee Break
11:30  Invited Speaker
   Nivio Ziviani, Federal Univ. of Minas Gerais, Brazil
   Near Space-Optimal Perfect Hashing Algorithms
13:00  Lunch

SESSION 2: Information Retrieval Applications
   Chair: Justin Zobel, NICTA Melbourne, Australia
14:30  Olivier Motelet, Benjamin Piwowarski, Georges Dupret, Jose A. Pino and Nelson Baloian
   Enhancing Educational-Material Retrieval using Authored-Lesson Metadata
15:00  Julien Allali, Pascal Ferraro, Pierre Hanna and Costas Iliopoulos
   Local Transpositions in Alignment of Polyphonic Musical Sequences
15:30  Carlos Castillo, Debora Donato and Aristides Gionis
   Estimating Number of Citations Using Author Reputation
16:00  Klaus Berberich, Srikanta Bedathur and Gerhard Weikum
   A Pocket Guide to Web History
16:30  Coffee Break
SESSION 3: Compression and Text Searching
Chair: Benjamin Piwowarski, Univ. of Chile, Chile
17:00 Veli Mäkinen and Gonzalo Navarro
*Implicit Compression Boosting with Applications to Self-Indexing*
17:30 Luís M.S. Russo, Gonzalo Navarro and Arlindo L. Oliveira
*Approximate String Matching with Lempel-Ziv Compressed Indexes*
18:00 David E. Losada and Ronald T. Fernández
*Highly Frequent Terms and Sentence Retrieval*

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SESSION 4: Pattern Matching
Chair: Veli Mäkinen, Univ. of Helsinki, Finland
09:30 Amihood Amir, Yonatan Aumann, Piotr Indyk, Avivit Levy and Ely Porat
*Efficient Computations of $l_1$ and $l_\infty$ Rearrangement Distances*
10:00 Zvi Gotthilf and Moshe Lewenstein
*Approximating Constrained LCS*
10:30 Ayelet Butman, Noa Lewenstein, Ely Porat and Benny Porat
*Jump-Matching With Errors*
11:00 Coffee Break
11:30 Invited Speaker
Justin Zobel, NICTA Melbourne, Australia
*Measures of Measurements: Robust Evaluation of Search Systems*
13:00 Lunch
SESSION 5: Bio Informatics
Chair: Gonzalo Navarro, Univ. of Chile, Chile
14:30 Amihood Amir, Tzvika Hartman, Oren Kapah, B. Riva Shalom and Dekel Tsur
Generalized LCS
15:00 Mohamed Ibrahim Abouelhoda
A Chaining Algorithm for Mapping cDNA Sequences to Multiple Genomic Sequences
15:30 Leena Salmela and Jorma Tarhio
Algorithms for Weighted Matching
16:00 Petri Kalsi, Leena Salmela and Jorma Tarhio
Tuning Approximate Boyer-Moore for Gene Sequences
16:30 Coffee Break

SESSION 6: Indexing
Chair: Amihood Amir, Bar-Ilan Univ., Israel
17:00 Gad M. Landau, Dekel Tsur and Oren Weimann
Indexing a Dictionary for Subset Matching Queries
17:30 Tetsuo Shibuya
Prefix-Shuffled Geometric Suffix Tree
18:00 Ralf Schenkel, Andreas Broschart, Seungwon Hwang, Martin Theobald and Gerhard Weikum
Efficient Text Proximity Search
18:30 Pang Ko and Srinivas Aluru
Optimal Self-Adjusting Tree for Dynamic String Data in Secondary Storage
Wednesday, October 31, 2007

SESSION 7: Compression
Chair: Wolfgang Nejdl, Univ. Hannover, Germany

09:30 Joaquín Adiego, Miguel A. Martínez-Prieto and Pablo de la Fuente
*Edge-Guided Natural Language Text Compression*

10:00 J. Shane Culpepper and Alistair Moffat
*Compact Set Representation for Information Retrieval*

10:30 Francisco Claude and Gonzalo Navarro
*A Fast and Compact Web Graph Representation*

11:00 Coffee Break

SESSION 8: Web Searching and Modeling
Chair: Alistair Moffat, Univ. of Melbourne, Australia

11:30 Ricardo Baeza-Yates, Flavio Junqueira, Vassilis Plachouras and Hans Friedrich Witschel
*Admission Policies for Caches of Search Engine Results*

12:00 Guilherme T. de Assis, Alberto H.F. Laender, Marcos A. Gonçalves, Altigran S. da Silva
*Exploiting Genre in Focused Crawling*

12:30 Christina Lioma and Iadh Ounis
*Extending Weighting Models with a Term Quality Measure*

01:00 Lunch

14:30 Invited Speaker
Andrew Tomkins, Yahoo! Research, USA
*Trends in Online Social Interactions*