

EATCS-JP/LA Workshop on TCS Program

Jan. 30 – Feb. 1, 2006

At RIMS, Kyoto University

NOTICE: EATCS/LA workshop is an unrefereed meeting; that is, all submissions are accepted for the presentation. Thus, there should be no problem of presenting these papers in refereed conferences and/or journals.

Mon, 30th Jan.

1. Theory of probabilistic timed weak simulation verification for probabilistic timed automata - Y. Hashizume, S. Yamane (Kanazawa Univ.)
2. Analysis method of Value-Density scheduling algorithms using timed automata - M. Sakakura, S. Yamane (Kanazawa Univ.)
3. How does the neighborhood affect the global behavior of cellular automata? - H. Nishio (Kyoto Univ.)
4. Some remarks on alternating CFGs and PDAs - E. Moriya (Waseda Univ.)
5. An application of AND-EXOR expressions to cryptographic protocols - T. Otagiri, T. Mizuki, H. Sone (Tohoku Univ.)
6. Anonymizable public-key encryption - R. Hayashi, K. Tanaka (Tokyo Inst. of Tech.)
7. Multi-bit cryptosystems based on lattice problems - K. Xagawa, A. Kawachi, K. Tanaka (Tokyo Inst. of Tech.)
8. Online auction with risk information - S. Harada, E. Takimoto, A. Maruoka (Tohoku Univ.)
9. A more efficient boosting by filtering - K. Hatano (Kyushu Univ.)
10. Learning of elementary formal systems with two clauses using queries and their languages - H. Kato, S. Matsumoto (Tokai Univ.), T. Miyahara (Hiroshima City Univ.)
11. Generalization for a subclass of probabilistic simple grammars and an application to reinforcement learning - S. Takeshi, C. Takashi (The Univ. of Tokyo)
12. Syntactic characterization of the two-dimensional grid graphs by a context-sensitive graph grammar - T. Arita (Obirin Univ.), K. Tsuchida (Toyo Univ.), T. Yaku (Nihon Univ.)

Tue, 31st Jan.

13. Analysis on the relationship between concentration and reaction rate of DNA molecules, - M. Shiozaki, H. Ono, K. Sadakane, M. Yamashita (Kyushu Univ.)
14. Competitive ratios for online buffer management problems - K. Kobayashi, S. Miyazaki, Y. Okabe (Kyoto Univ.)
15. Robustness of the greedy type minimum evolution algorithm - T. Shigezumi (Tokyo Inst. of Tech.)

16. A linear time verification algorithm for complete binary trees represented by bitstring - T. Urushiyama, K. Mikawa (Niigata Univ.), M. Hasegawa (Kinki Univ.)
17. Average-case time complexity on MAX2SAT - O. Watanabe, M. Yamamoto (Tokyo Inst. of Tech.)
18. Complexity-theoretical quantum list decoding and applications to quantum hardcore functions - A. Kawachi (Tokyo Inst. of Tech.), T. Yamakami (ERATO-SORST QCI)
19. Geometric characterization of quantum oracle identification - A. Kawachi (Tokyo Inst. of Tech.), S. Yamashita (Nara Inst. of Sci. and Tech.)
20. Efficient transmission of the information on the quantum network - M. Hayashi (ERATO-SORST QCI), K. Iwama, H. Nishimura, R. Raymond (Kyoto Univ.), S. Yamashita (Nara Inst. of Sci. and Tech.)
21. Upper bounds for quantum biased oracles with explicit bias rate - T. Suzuki, S. Yamashita, M. Nakanishi, K. Watanabe (Nara Inst. of Sci. and Tech.)
22. A relation between Hilbert's 13th problem and the data compression problems of multidimensional numerical data - S. Akashi (Tokyo Univ. of Sci.)
23. Repeated strings in equation on strings - J. Uemura (Aletheia Univ.), M. Sato (Osaka Prefecture Univ.)
24. Laws of value science and value logic - H. Takahashi (Nihon Univ.)
25. Universal reversible logic elements with 3 inputs, 3 outputs and 2 states – Direct composition method of a rotary element - R. Ueno, K. Morita (Hiroshima Univ.)
26. Modified elliptic curve cryptosystems over bicodes - F. Ding, S. Jimbo, K. Hashiguchi (Okayama Univ.)
27. Approximating a single vehicle scheduling for processing the maximum number of jobs in a straight line - T. Ohnishi, H. Nagamochi (Kyoto Univ.)
28. 2-disjoint path covers in mesh-torus - K. Makino (Tokyo Inst. of Tech.)
29. Maximun power consumption ratio on two-level circuits - T. Anno, T. Horiyama, K. Iwama (Kyoto Univ.)
30. Transformation for removing context-sensitivity of TRSs obtained by unraveling - T. Mizutani, N. Nishida, M. Sakai, T. Sakabe, K. Kusakari (Nagoya Univ.)
31. A Characterization of tree adjoining languages by generalized dyck languages - S. Matsubara (The Univ. of Elec.-Comm.)
32. Similarity of parse trees using matching of subtree - K. Akitomo, H. Shiina (Okayama Univ. of Sci.)
33. Compact representation for labeled ordered trees with repetition structure - T. Saito, A. Nakamura, M. Kudo (Hokkaido Univ.)

Wed, 1st Feb.

34. Failure detectors and failure counters in asynchronous distributed systems - A. Sakata, H. Ono, K. Sadakane, M. Yamashita (Kyushu Univ.)
35. Energy-efficient and reliable data transmission in sensor networks - K. Sanagi, H. Ono, K. Sadakane, M. Yamashita (Kyushu Univ.)
36. Neighborhood composition: A parallelization of local search algorithms - Y. Handa, H. Ono, K. Sadakane, M. Yamashita (Kyushu Univ.)
37. Coloring comparability-ke graphs - Y. Takenaga (The Univ. of Elec.-Comm.)
38. Even-factors in one-vertex deleted subgraphs of regular graphs - K. Kimura (The Univ. of Elec.-Comm.)
39. Confluence of higher-order rewrite systems - M. Iwami (Shimane Univ.)
40. Confluence of flat TRSs - I. Mitsushashi, M. Oyamaguchi (Mie Univ.), F. Jacquemard (INRIA-Futurs and LSV)
41. Inductive inference of ideals of polynomial rings from positive data - M. de Brecht (Kyoto Univ.), M. Kobayashi, H. Tokunaga (Tokyo Metropolitan Univ.), A. Yamamoto (Kyoto Univ.)
42. Polynomials generating minimal clones on a finite field - H. Machida (Hitotsubashi Univ.)