



11th Annual Conference on

Theory and Applications of Models of Computation

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Venue: Vivekananda Auditorium, Anna University, Chennai

Sl.No	Title of the Paper, Author(s), Country
1.	Title: Modular Form Approach to Solving Lattice Problems Author: Yuan Tian, Rongxin Sun and Xueyong Zhu, China
2.	Title: Local-Global Approach to Solving Ideal Lattice Problems Author: Yuan Tian, Xueyong Zhu and Rongxin Sun, China
3.	Title: An Incremental Algorithm for Computing Prime Implicates in Modal Logic Author: Manoj K. Raut, India
4.	Title: Generalized Finite Automata over Real and Complex Numbers Author: Klaus Meer and Ameen Naif, Germany
5.	Title: Self-Stabilizing Minimal Global Oensive Alliance Algorithm with Safe Convergence In an Arbitrary Graph Author: Yihua Ding, James Z. Wang, and Pradip K Srimani, United States
6.	Title: Efficient Algorithms for the Label Cut Problems Author: Peng Zhang, China
7.	Title: A Bit-Encoding Phase Selection Strategy for Satisfiability Solvers Author: Jingchao Chen, China
8.	Title: A Pseudo-Random Bit Generator Based on Three Chaotic Logistic Maps and IEEE 754-2008 Floating-Point Arithmetic Author: Michael François, David Defour and Pascal Berthomé, France
9.	Title: A Categorical Treatment of Malicious Behavioral Obfuscation Author: Romain Péchoux and Thanh Dinh Ta, France
10.	Title: Polynomial-Time Algorithms for Subgraph Isomorphism in Small Graph Classes of Perfect Graphs Author: Matsuo Konagaya, Yota Otachi and Ryuhei Uehara, Japan
11.	Title: Finite State Incompressible Infinite Sequences Author: Cristian S. Calude, New Zealand; Ludwig Staiger, Germany and Frank Stephan, Singapore
12.	Title: Complexity Information Flow in a Multi-threaded Imperative Language Author: Jean-Yves Marion and Romain Pechoux, France
13.	Title: Space complexity of optimization problems in planar graphs Author: Samir Datta, India and Raghav Kulkarni, France
14.	Title: A Personalized Privacy Preserving Method for Social Network Author: Jia Jiao, Liu Peng, and Xianxian Li, China
15.	Title: A tight lower bound instance for k-means++ in constant dimension Author: Anup Bhattacharya, Ragesh Jaiswal, India; Nir Ailon, Israel

16.	Title: Finding optimal strategies of almost acyclic Simple Stochastic Games Author: David Auger, Pierre Coucheney, Yann Strozecki, France
17.	Title: The Parameterized Complexity of Domination-type Problems and Application to Linear Codes Author: David Cattanéo and Simon Perdrix, France
18.	Title: A Dynamic Approach to Frequent Flyer Program Author: Rajiv Veeraraghavan, Rakesh Kashyap, Archita Chopde and Swapan Bhattacharya, India
19.	Title: An improved Upper-bound for Rivest et al.'s Half-lie Problem Author: Bala Ravikumar and Duncan Innes, United States
20.	Title: Approximation Algorithms for the Weight-Reducible Knapsack Problem Author: Marc Goerigk, Germany; Yogish Sabharwal, India; Anita Schöbel, Germany; and Sandeep Sen, India
21.	Title: Fine Tuning Decomposition Theorem for Maximum Weight Bipartite Matching Author: Shibsankar Das and Kalpesh Kapoor, India
22.	Title: On representations of abstract systems with partial inputs and outputs Author: Ievgen Ivanov, France
23.	Title: On the Parameterized Complexity for Token Jumping on Graphs Author: Takehiro Ito, Marcin Kaminski, Hirotaka Ono, Akira Suzuki, Ryuhei Uehara and Katsuhisa Yamanaka Japan
24.	Title: Intersection Dimension of Bipartite Graphs Author: Steven Chaplick, Czech Republic; Pavol Hell, Canada; Yota Otachi, Toshiki Saitoh and Ryuhei Uehara, Japan
25.	Title: More on Universality of Spiking Neural P Systems with Anti-Spikes Author: Venkata Padmavati Metta and Alica Kelemenova Czech Republic
26.	Title: Set Cover, Set Packing and Hitting Set for Tree Convex and Tree-like Set Systems Author: Min Lu and Tian Liu, China; Weitian Tong and Guohui Lin, Canada; Ke Xu, China
27.	Title: Reversibility of Elementary Cellular Automata Under Fully Asynchronous Update Author: Biswanath Sethi, India; Nazim Fatès, France; Sukanta Das, India
28.	Title: A size-6k problem kernel for P2-packing Author: Maw-Shang Chang, Ling-Ju Hung and Li-Hsuan Chen, Taiwan

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