CALDAM 2018 Program

15th February, 2018

08:30 – 09:15   Registration and Inauguration

Session - I

09:15 – 10:30   Invited Talk: "The Use of Dynamic Programming in Intersection Graphs", J. Mark Keil

10:30 – 11:00   Tea break

Session - II

11:00 – 12:15   Invited Talk: "Extremal Graph Theory, Stability, and Anti-Ramsey Theorems", Miklós Simonovits

Session - III

12:15 – 12:40   "Consistent Subset Problem with two labels", Kamyar Khodamoradi, Ramesh Krishnamurti, and Bodhayan Roy

12:40 – 13:05   "Probabilistic Properties of Highly Connected Random Geometric Graphs", Bodo Manthey and Victor M.J.J. Reijnders

13:05 – 13:30   "Drawing Graphs on Few Circles and Few Spheres", Myroslav Kryven, Alexander Ravsky, and Alexander Wolff

13:30 – 14:45   Lunch

Session - IV

14:45 – 15:10	"Line Segment Disk Cover", Manjanna Basappa
15:10 – 15:35	"Window Queries for Problems on Intersecting Objects and Maximal Points", Farah Chanchary, Anil Maheshwari, and Michiel Smid
15:35 – 16:00	"Radius, Diameter, Incenter, Circumcenter, Width and Minimum Enclosing Cylinder for Some Polyhedral Distance Functions", Sandip Das, Ayan Nandy, and Swami Sarvottamananda
16:00 – 16:30	Tea break
16:30 – 17:00	Business meeting

16th February, 2018

Session - I

09:15 – 10:30	Invited Talk: "Connections between Computational Geometry and Combinatorial Geometry", Sathish Govindarajan
10:30 – 11:00	Tea break

Session - II

11:00 – 12:15	Invited Talk: "Efficient Domination and Efficient Edge Domination: A Brief Survey", Andreas Brandstädt

Session - III

12:15 – 12:40	"Bounded stub resolution for some maximal 1-planar graphs", Michael Kaufmann, Jan Kratochvil, Fabian Lipp, Fabrizio Montecchiani, Chrysanthi Raftopoulou, Pavel Valtr
12:40 – 13:05	"On oriented $L(p, 1)$-labeling", Sandip Das, Soumen Nandi, and Sagnik Sen
13:05 – 13:30	"On the Simultaneous Minimum Spanning Trees Problem", Matěj Konečný, Stanislav Kučera, Jana Novotná, Jakub Pekárek, Martin Smolík, Jakub Tětek, Martin Töpfer
13:30 – 14:45	Lunch

Session - IV

14:45 – 15:10	"Burning Spiders", Sandip Das, Subhadeep Ranjan Dev, Arpan Sadhukhan, Uma Kant Sahoo, Sagnik Sen
15:10 – 15:35	"On Structural Parameterizations of Firefighting", Bireswar Das, Murali Krishna Enduri, Neeldhara Misra and I. Vinod Reddy
15:35 – 16:00	"Exact computation of the number of accepting paths of an NTM", Subrahmanyam Kalyanasundaram and Kenneth Regan
16:00 – 16:30	Tea break

Session - V

16:30 – 16:55	"A Fully Polynomial Time Approximation Scheme for Refutations in Weighted Difference Constraint Systems", Bugra Caskurlu, Matthew Williamson, K. Subramani, Vahan Mkrtchyan, and Piotr Wojciechowski
16:55 – 17:20	"Determining Minimal Degree Polynomials of a Cyclic Code of length 2^k over $\mathbb{Z}_8$", Arpana Garg and Sucheta Dutt
20:00	Banquet

17th February, 2018

Session - I

09:15 – 09:40	"Fixed-parameter tractable algorithms for Tracking Set Problems", Aritra Banik and Pratibha Choudhary
09:40 – 10:05	"On the Tractability of (k, i)-Coloring", Saurabh Joshi, Subrahmanyam Kalyanasundaram, Anjeneya Swami Kare, and Bhyravarapu Sriram
10:05 – 10:30	"On a lower bound for the eccentric connectivity index of graphs", Devsi Bantva
10:30 – 11:00	Tea break

Session - II

11:00 – 11:25	"Mixed Unit Interval Bigraphs", Ashok Kumar Das and Rajkamal Sahu
11:25 – 11:50	"Hamiltonian Path in $K_{1,t}$-free Split Graphs- a Dichotomy", P. Renjith, N. Sadagopan
11:50 – 12:15	"Alternation, Sparsity and Sensitivity : Combinatorial Bounds and Exponential Gaps", Krishnammorthy Dinesh and Jayalal Sarma

Session - III

12:15 – 12:40	"The Edge Geodetic Number of Product Graphs", Bijo S Anand, Manoj Changat, and Ullas Chandran S. V.
12:40 – 13:05	"On Indicated Coloring of Some Classes of Graphs", P. Francis, S. Francis Raj and M. Gokulnath
13:05 – 13:30	"Variations of cops and robbers game on grids", Sandip Das, Harmender Gahlawat
13:30 – 15:00	Closing and Lunch