

**CALDAM 2019 PROGRAM**  
**Gargi Auditorium**  
**Indian Institute of Technology, Kharagpur**  
**14-16 February 2019**

<b>Time</b>	<b>Day 0: February 13, 2019 (Wednesday)</b>
19.30 hr.– 21.30 hr.	Welcome Dinner
<b>Time</b>	<b>Day 1: February 14, 2019 (Thursday)</b>
8.45 hr.– 9.30 hr.	Registration and Inauguration
<b>Session I</b>	<b>Invited Talk I</b> <i>Chair: Ambat Vijayakumar</i>
9.30 hr.– 10.45 hr.	Janos Pach: <i>Strings and order</i>
10.45 hr.– 11.15 hr.	<b>Tea</b>
<b>Session II</b>	<b>Invited Talk II</b> <i>Chair: Anil Maheshwari</i>
11.15 hr.– 12.30 hr.	Matthew (Matya) Katz: <i>Guarding a Polygon from its Boundary</i>
12.30 hr.– 13.35 hr.	<b>Lunch</b>
<b>Session III</b>	<b>Geometric Graphs</b> <i>Chair: N S Narayanaswamy</i>
13.35 hr.– 14.00 hr.	Dibyayan Chakraborty, Sandip Das, Mathew Francis and Sagnik Sen: <i>On Rectangle Intersection Graphs with Stab Number at Most Two</i>
14.00 hr.– 14.25 hr.	Sameera M Salam, Daphna Chacko, Nandini J Warriar, Murali Krishnan and Sudeep K S: <i>On Chordal and Perfect Plane Triangulations</i>
14.25 hr.– 14.50 hr.	Sukanya Bhattacharjee and R Inkulu: <i>Fault-tolerant Additive Weighted Geometric Spanners</i>
14.50 hr.– 15.15 hr.	Ajit Diwan, Bodhayan Roy and Subir Ghosh: <i>Drawing Bipartite Graphs in Two Layers with Specified Crossings</i>
15.15 hr.– 15.45 hr.	<b>Tea</b>
<b>Session IV</b>	<b>Algorithms</b> <i>Chair: Sathish Govindarajan</i>
15.45 hr.– 16.10 hr.	Gill Barequet and Gil Ben-Shachar: <i>Minimal-Perimeter Polyominoes: Chains, Roots, and Algorithms</i>
16.10 hr.– 16.35 hr.	Ranveer Singh, Naomi Shaked-Monderer and Avi Berman: <i>Linear Time Algorithm to Check the Singularity of Block Graphs</i>
16.35 hr.– 17.00 hr.	Kolja Junginger, Ioannis Mantas and Evanthia Papadopoulou: <i>On Selecting Leaves with Disjoint Neighborhoods in Embedded Trees</i>

<b>Special Session I</b>	<b>Birthday Celebration</b> <i>Chair: Amitabha Bagchi</i>
17.00 hr.– 17.30 hr.	Subir Ghosh: <i>My Journey Through Decades in Computational Geometry</i>
17.30 hr.– 19.00 hr.	<b>Open Session</b>
19.00 hr.	<b>Special Dinner (IIT Kharagpur Guest House)</b>

<b>Time</b>	<b>Day 2: February 15, 2019 (Friday)</b>
<b>Session V</b>	<b>Computational Complexity</b> <i>Chair: Ajit Diwan</i>
9.30 hr.– 9.55 hr.	Deepanjan Kesh and Vidya Sagar Sharma: <i>On the Bitprobe Complexity of Two Probe Adaptive Schemes Storing Two Elements</i>
9.55 hr.– 10.20 hr.	Devsri Bantva: <i>A Lower Bound for the Radio Number of Graphs</i>
10.20 hr.– 10.45 hr.	Henning Fernau, Lakshmanan Kuppusamy, Rufus O. Oladele and Indhumathi R.: <i>Improved Descriptive Complexity Results on Generalized Forbidding Grammars</i>
10.45 hr.– 11.15 hr.	<b>Tea</b>
<b>Session VI</b>	<b>Invited Talk III</b> <i>Chair: Sudebkumar P. Pal</i>
11.15 hr.– 12.30 hr.	David Mount: <i>New Directions in Approximate Nearest-Neighbor Searching</i>
12.30 hr.– 13.35 hr.	<b>Lunch</b>
<b>Session VII</b>	<b>Computational Geometry</b> <i>Chair: Daya Gaur</i>
13.35 hr.– 14.00 hr.	Ankush Acharyya, Anil Maheshwari and Subhas C. Nandy: <i>Localized query: Color spanning variations</i>
14.00 hr.– 14.25 hr.	Sandip Das and Harmender Gahlawat: <i>Bumblebee Visitation Problem</i>
14.25 hr.– 14.50 hr.	N.S. Supantha Pandit: <i>Covering and Packing of Triangles Intersecting a Straight Line</i>
14.50 hr.– 15.15 hr.	Tameem Choudhury and R Inkulu: <i>Maintaining the Visibility Graph of a Dynamic Simple Polygon</i>
15.15 hr.– 15.45 hr.	<b>Tea</b>
<b>Session VIII</b>	<b>Graph Theory I</b> <i>Chair: Sandip Das</i>
15.45 hr.– 16.10 hr.	N. R. Aravind, Subrahmanyam Kalyanasundaram and Anjeneya Swami Kare: <i>H-Free Coloring on Graphs with Bounded Tree-Width</i>
16.10 hr.– 16.35 hr.	B S Panda and Juhi Choudhary: <i>Dominating Induced Matching in Some Subclasses of Bipartite Graphs</i>

<b>Special Session II</b>	<b>Business Meetings</b> <i>Chair: Subir Ghosh</i>
16.45 hr.– 17.45 hr.	<b>CALDAM Business Meeting</b>
17.45 hr.– 18.45 hr.	<b>ACSDM Business Meeting</b>
20.00 hr.	<b>Banquet Dinner</b> (IIT Kharagpur Guest House)

<b>Time</b>	<b>Day 3: February 16, 2019 (Saturday)</b>
<b>Session IX</b>	<b>Graph Theory II</b> <i>Chair: Partha P Bhowmick</i>
9.30 hr.– 9.55 hr.	Francis Raj S and Gokulnath M.: <i>B-coloring of the Mycielskian of Regular Graphs</i>
9.55hr.– 10.20 hr.	Shalu M A, Vijayakumar S and Sandhya T P: <i>The Induced Star Partition of Graphs</i>
10.20 hr.– 10.45 hr.	Kalpana Mahalingam and Helda Princy Rajendran: <i>On m-Bonacci-Sum Graphs</i>
10.45 hr.– 11.15 hr.	<b>Tea</b>
<b>Session X</b>	<b>Graph Theory III</b> <i>Chair: Rogers Mathew</i>
11.15 hr.– 11.40 hr.	Soumen Nandi, Sandip Das, Sagnik Sen and Ritesh Seth: <i>The Relative Signed Clique Number of Planar Graphs is 8</i>
11.40 hr.– 12.05 hr.	Jasine Babu, L. Sunil Chandran, M. Francis, V. Prabhakaran, D. Rajendraprasad and J. N. Warriar: <i>On Graphs with Minimal Eternal Vertex Cover Number</i>
12.05 hr.– 12.30 hr.	Sujoy Bhore, Sourav Chakraborty, S. Jana, Joseph S. B. Mitchell, S. Pandit and Sasanka Roy : <i>The Balanced Connected Subgraph Problem</i>
12.30 hr.– 13.45 hr.	<b>Closing Session and Lunch</b>