CALDAM 2025 Conference Schedule

February 13 – 15, 2025

Day 1 (Thursday, Feb 13, 2025)		
https://meet.google.com/cfm-bqfr-xod		
08:00 AM	Registration	
08:45 AM	Inauguration	
9:15 AM to 10:30 AM	Google Invited Talk – I Chair: TBD Graph products, prime factorization, unique roots and cancellation	
10:30 AM	Wilfried Imrich	
to 11: 00 AM	Tea Break	
11: 00 AM to 01:05 PM	Graph Theory-1 Chair: TBD	
11:00 AM to 11:25 AM	On full-separating sets in graphs Dipayan Chakraborty and Annegret Wagler	
11:25 AM to 11:50 AM	On a Tight Bound for the Maximum Number of Vertices that Belong to Every Metric Basis Anni Hakanen, Ville Junnila, Tero Laihonen, Havu Miikonen and Ismael G. Yero	
11:50 AM to 12:15 PM	An algebraic characterization of strong graphs Pablo Romero	
12:15 PM to 12:40 PM	Generalized Lettericity of Graphs Zhidan Feng, Henning Fernau, Kevin Mann, Indhumathi Raman and Silas Cato Sacher	
12:40 PM to 01:05 PM	There are finitely many uniformly most reliable graphs of corank 5 Pablo Romero	
01:05 PM to 02:15 PM	Lunch	
02:15 PM To 03:55 PM	Graph Algorithms-1 Chair: TBD	
02:15 PM to 02:40 PM	Extension Perfect Roman Domination Kevin Mann and Henning Fernau	
02:40 PM to 03:05 PM	Packing sets of paths, stars and triangles: tractability and approximability Santiago Ravelo and Flavio K. Miyazawa	

	Polynomial-time algorithms for PATH COVER on trees and graphs of
03:05 PM	bounded treewidth
to	Florent Foucaud, Atrayee Majumder, Tobias Mömke and Aida
03:30 PM	Roshany-Tabrizi
02:20 DM	Chrystynal Davamatariation of Minus Damination
03:30 PM to	Structural Parameterization of Minus Domination Sangam Balchandar Reddy and Anjeneya Swami Kare
03:55 PM	Sangam Balchandar Reddy and Anjeneya Swami Rare
03.33 F W	
03:55 PM	
to	Tea Break
04:25 PM	
04:25 PM	Algorithms and Complexity – 1
to	Chair: TBD
06:05 PM	Ollail. 188
04.05.514	The MACEMBR weekless and the security of the second
04:25 PM	The MASEMPR problem and its applications in logistics
to	Anand Subramani, K. Subramani, Piotr Wojciechowski and
04:50 PM	Sangram Kishor Jena
	A sub-sus-deadle desides for the first state of
04:50 PM	A sub-quadratic algorithm for the minsum one sink location
to	problem on balanced binary tree networks
05:15 PM	Jannatul Maowa and Robert Benkoczi
05:15 PM	Addressing Bias in Algorithmic Solutions: Exploring Vertex Cover and
05. 15 PW	Feedback Vertex Set
05:40 PM	Sheikh Shakil Akhtar, Jayakrishnan Madathil, Pranabendu
03.40 F W	Misra and Geevarghese Philip
05 40 DM	
05:40 PM	Partial Domination in Some Geometric Intersection Graphs
to 06:05 PM	Madhura Dutta, Anil Maheshwari and Subhas C. Nandy
06:05 PIVI	
	CALDAM Business Meeting
	ACSDM Business Meeting
06.05 PM	Chair: Subir Kumar Ghosh
	CALDAM Business Meeting ACSDM Business Meeting
	Day 2 (Friday, Feb 14, 2025)
	https://meet.google.com/cfm-bqfr-xod
	Google Invited Talk - II
09:15 AM	Chair: TBD
to	
10:30 AM	Disk Graphs and Transmission Graphs Recent Developments
	Wolfgang Mulzer
10:30 AM	
То	Tea Break
11:00 AM	
11:00 AM	0 17
to	Graph Theory - II
11:50 AM	Chair: TBD
11:00 AM	Graceful coloring is computationally hard
to	Cyriac Antony, Jacob Antony, Laavanya D and Devi Yamini S
11:25 AM	Cyndo Antony, Jacob Antony, Laavanya D and Devi Tamini C

11:25 AM	
to	Broadcast Graph Is NP-complete Jinghan Xu and Zhiyuan Li
11:50 AM	Singhan Ad and Zinydan Ei
11:50 AM	Computational Coomstru
to	Computational Geometry Chair: TBD
01:05 PM	
	Maximizing the Maximum Degree in Ordered Nearest Neighbor Graphs
11:50 AM to	Péter Ágoston, Adrian Dumitrescu, Arsenii Sagdeev,
12:15 PM	Karamjeet Singh and Ji Zeng
12:15 PM	Multipacking in Euclidean Plane
to	Arun Kumar Das, Sandip Das, Sk Samim Islam, Ritam M Mitra
12:40 PM	and Bodhayan Roy
12:40 PM	Almost Empty Monochromatic Polygons in Planar Point Sets
to 01:05 PM	Bhaswar Bhattacharya, Sandip Das, Sk Samim Islam and Saumya Sen
1:05 PM	Lunch
to 02:15 PM	LUNGI
02:15 PM	Ones L. Alexantikasa II
to	Graph Algorithms - II Chair: TBD
03:05 PM	
00.45 DM	Development Complexity of Course Coloring of Cyanha
02:15 PM to	Parameterized Complexity of Coupon Coloring of Graphs Pradeesha Ashok, Pradyun Devarakonda, Shiven Phogat,
02:40 PM	Swaroop A Ram Rayala and J A Sherin
02:40 PM	On the parameterized Complexity of Odd Coloring
to	Sriram Bhyravarapu, Vinod Reddy and Swati Kumari
03:05 PM	
03:05 PM to	Graph Theory - III
03:55 PM	Chair: TBD
03:05 PM	Total Domination and Open Packing in Two Subclasses of Triangle-
to	free Graphs
03:30 PM	M A Shalu and V K Kirubakaran
03:30 PM	Helly Number, Radon Number and Rank in \$\Delta\$-Convexity
to	on Graphs Bijo S. Anand, Arun Anil Manoi Changet, Boyethy S. Nair
03:55 PM	Bijo S. Anand, Arun Anil, Manoj Changat, Revathy S. Nair and Prasanth G. Narasimha-Shenoi
00.55 DM	
03:55 PM to	Tea Break
04:25 PM	. 5. 2.56
	Google Invited Talk III
04:25 PM	Chair: TBD
to 05:40 PM	Convex Geometries determined by betweenness axioms
00.40 T W	Manoj Changat
5:40 PM	
to	Felicitation of Prof. Manoj Changat on his retirement
6:40 PM	Don wort Ding on
7:30 PM	Banquet Dinner

	Day 3 (Saturday, Feb 15, 2025)	
https://meet.google.com/cfm-bqfr-xod		
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09:15 AM	Algorithms and Complexity - II	
to 10:30 AM	Chair: TBD	
10.50 / (10)		
09:15 AM	Algorithms and hardness results for the \$(3,1)\$-cover problem	
to	Amirali Madani, Anil Maheshwari, Babak Miraftab and	
09:40 AM	Bodhayan Roy	
09:40 AM	Two Step Graph Protection Game	
to	Saraswati Girish Nanoti and Aakash Ghosh	
10:05 AM		
10:05 AM	Charging Station Placement for Limited Energy Robots	
to	Arun Kumar Das	
10:30 AM	Alun Kumur Dus	
10:30 AM		
to	Tea Break	
11:00 AM		
11:00 AM	Graph Algorithms - III	
to 11:50 AM	Chair: TBD	
11.007111		
11:00 AM	Fast FPT Algorithms for Grundy Number on Dense Graphs	
to	Sina Ghasemi Nezhad, Maryam Moghaddas and Fahad Panolan	
11:25 AM		
	Balancan tal discontinuo de la Unio de la Compania del Compania de la Compania de la Compania del Compania de la Compania de l	
11:25 AM	Polynomial time algorithms for Hop domination Karthika D, Muthucumaraswamy R, Sriram Bhyravarapu and	
to	Pritesh Kumar	
11:50 AM		
11:50 AM	Granh Theory - IV	
to	Graph Theory - IV Chair: TBD	
01:05 PM		
11:50 AM		
to	Spectra of eccentricity matrices of product of graphs	
12:15 PM	S. Balamoorthy and T. Kavaskar	
40.17.51		
12:15 PM to	Bipartite Domination in Graphs: Complexity and Algorithms	
12:40 PM	Bhawani Sankar Panda, Subhasmita Joshi and Dalu Jacob	
12:40 PM	Forbidden induced subgraphs in iterative higher order line graphs	
to	Aryan Sanghi, Devsi Bantva and Sudebkumar Prasant Pal	
01:05 PM		
01:05 PM	Conclusion	
01:20 PM	Lunch	