PSG COLLEGE OF TECHNOLOGY - COIMBATORE 641 004

DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCES
CALDAM 2025
Indo-Spanish Pre-Conference School on Algorithms and Combinatorics
10th – 11th February 2025

Program Schedule

	DAY 1 - 10.02.2025 - Monday	
Time	**Program**	**Title of the Talk**
07.45 am – 09.00 am	Registration / Breakfast	
09.00 am – 09.30 am	**Inaugural function**	
09.30 am– 11:00 am	Technical Session 1 **Sergio Cabello** University of Ljubljana, Slovenia	Barrier resilience problems and crossing numbers of graphs
11.00am – 11.30 am	Tea	
11.30 am – 12.30 pm	Technical Session 2 **Venkatesh Raman** Indian Institute of Technology Palakkad, India	Efficient algorithms for hard problems in almost special graph classes
12.30 am – 02.00 pm	**Lunch**	
02.00 pm – 03.00 pm	Technical Session 3 **Aida Abiad** Eindhoven University of Technology, The Netherlands	On weight equitable partitions of graphs
03.00 pm – 03.30 pm	Tea	
03.30 pm – 05.30 pm	**Young Researchers Forum**	
07.00 pm – 08.00 pm	Dinner	
	DAY 2 - 11.02.2025 - Tuesday	
07.45 am – 09.00 am	**Breakfast**	
09.00 am – 10.00 am	Technical Session 4 **Abhranil Chatterjee** Indian Institute of Technology Kanpur, India	The Power of Algebraic Methods in Designing Algorithms for Graph Problems
10.00 am –11.00 am	Technical Session 5 **Harmender Gahlawat** Grenoble-INP, France	Cops, Robbers, and Representations: Exploring Graph Guarding Techniques
11.00 am –11.30 am	Tea	
11.30 am –12.30 pm	Technical Session 6 **Rahul Saladi** Indian Institute of Science, Bangalore, India	Exploring the Art of Creating New Problems in Algorithmic Research
12.30 pm – 02.00 pm	Lunch	
02.00 pm – 03.00 pm	Technical Session 7 **Prajakta Nimbhorkar** Chennai Mathematical Institute, Chennai, India	Disjoint stable matchings in linear time
03.00 pm – 04.00 pm	Technical Session 8 **Kolja Knauer** Universitat de Barcelona, Spain	On Cayley graphs of monoids and semigroups
04.00 pm – 04.30 pm	Valedictory	
04.30 pm – 05.00 pm	Tea	
07.00 pm – 08.00 pm	Dinner	

Venue: TBD