

*IPM Biennial Conference on  
Combinatorics and Computing,  
May 20-22, 2025, School of Mathematics, IPM, Tehran  
40 Years in Designs: Celebrating the Life and Achievements of  
Professor Gholamreza B. Khosrovshahi*

## Conference Schedule

Tuesday, May 20, 2025		
8:30 - 9:00	Registration	
9:00 - 10:00	Opening	
10:00 - 10:45	<b>Manouchehr Zaker</b> Institute for Advanced Studies in Basic Sciences	Recent Progress in the First-Fit and z-Coloring of Graphs
Coffee Break		
11:15 - 12:00	<b>Javad Ebrahimi</b> Sharif University of Technology	Stretch Hamming Dimension of Graphs
Lunch		
14:00- 14:45	<b>Ali Mohammadian</b> IPM	Saturation Numbers of Graphs
Coffee Break		
15:15 - 16:00	<b>Elham Roshanbin</b> Alzahra University	On the Burning Number of Graphs
16:00 - 16:30	<b>Meysam Korivand</b> Institut Teknologi Bandung, Indonesia	Number of Metric Bases up to Automorphism
16:30- 17:00	<b>Omran Ahmadi</b> IPM	A Very Short Introduction to Post-Quantum Cryptography

You can see the abstract of the talks and other information related to the conference on the below website:

<https://math.ipm.ac.ir/IPMCCC2025>



SCAN ME!

Wednesday, May 21, 2025		
9:00 - 9:45	<b>Amin Sakzad</b> Monash University, Australia	LUNA: Quasi-Optimally Succinct Designated-Verifier Zero-Knowledge Arguments from Lattices
9:45 - 10:15	<b>Saeid Alikhani</b> Yazd University	New upper Bounds for some Kind of Coalition Numbers
Coffee Break		
10:45 - 11:30	<b>Sharareh Alipour</b> Tehran Institute for Advanced Studies	The Minimum Dominating Set and Set Cover in Distributed and Streaming Models
11:30 - 12:15	<b>Masoud Seddighin</b> Tehran Institute for Advanced Studies	Fair Allocation of Indivisible Goods: Recent Advances on the Maximin Share Criterion
Group Photo and Lunch		
14:00 - 14:45	<b>Ramin Javadi</b> Isfahan University of Technology	Random Hypergraphs and the Size-Ramsey Number of Subdivisions of Graphs
14:45 - 15:15	<b>Maryam Safazadeh</b> National University of Skills	Fair Coalitions in Graphs
Coffee Break		
Mathematics Colloquium		
16:00 - 17:00	<b>Amin Shokrollahi</b> Kandou (CTO) and EPFL, Switzerland	Algebraic Coding in the Era of AI (online)

Thursday, May 22, 2025		
9:00 - 9:45	<b>Ebrahim Ghorbani</b> K. N. Toosi University and Hamburg University of Technology	Arrival and Multi-Arrival Problems
9:45 - 10:15	<b>Mostafa Einollahzadeh</b> Isfahan University of Technology	From Haemer's Energy Conjecture to Laplacian Matrices
Coffee Break		
10:45 - 11:30	<b>Ali Taherkhani</b> Institute for Advanced Studies in Basic Sciences	Erdős-Ko-Rado Type Results for Intersecting Families of Subgraphs of Complete Graphs
11:30 - 12:15	<b>Morteza Mohammad Nouri</b> University of Tehran	Applying Some Variations of Ziv Lempel Factorization to the Infinite m-bonacci Words
Lunch		