

WORKSHOP ON ALGEBRAIC GRAPH THEORY

DETAILS OF THE SESSION & TOPICS

	Session 1 (9.00 am – 10.05 am)	Session 2 (10.05 am – 11.10 am)		Session 3 (11.25 am – 12.30 am)		Session 4 (1.30 pm – 2.35 pm)		Session 5 (2.50pm – 3.55 pm)	Session 6 (3.55 pm – 5.00 pm)
Day 1 25/01/2018	Inauguration	* Prof. Arumugam	T E A	Prof. Murali K Srinivasan	L U N C	Prof. Arumugam	T E A	Prof. Rajesh Kannan	Prof. Murali K Srinivasan
		Topic: Graphs and Groups		Topic: Applications of Linear algebra and group actions to enumeration and spectral theory		Topic: Cayley Graphs		Topic: Perron-Frobenius theory of non-negative matrices	Topic: Applications of Linear algebra and group actions to enumeration and spectral theory
Day 2 26/01/2018	Prof. Rajesh Kannan	Prof. Murali K Srinivasan	B R E A	Prof. Rajesh Kannan	H B R E	Prof. Murali K Srinivasan	B R E A	Prof. Arumugam	Prof. Arumugam
	Topic: Adjacency matrices of graphs	Topic: Applications of Linear algebra and group actions to enumeration and spectral theory		Topic: Adjacency matrices of graphs		Topic: Applications of Linear algebra and group actions to enumeration and spectral theory		Topic: Graphs and vector spaces	Topic: Graphs and vector spaces
Day 3 27/01/2018	Prof. Murali K Srinivasan	Prof. Murali K Srinivasan	A K	Prof. Arumugam	E A K	Prof. Arumugam	A K	Prof. Tamizh Chelvam	Prof. Tamizh Chelvam
	Topic: Applications of Linear algebra and group actions to enumeration and spectral theory	Topic: Applications of Linear algebra and group actions to enumeration and spectral theory		Topic: Graphs and vector spaces		Topic: Graphs and vector spaces		Topic: Graphs and Commutative rings	Topic: Graphs and Commutative rings

Day 4 28/01/2018	Prof. Tamizh Chelvam	Prof. Tamizh Chelvam	Prof. Amitava Bhattacharya	Prof. Amitava Bhattacharya	Sightseeing	
	Topic: Graphs & Commutative rings	Topic: Graphs & Commutative rings				
Day 5 29/01/2018	Prof. Niranjan Balachandran	Prof. Amitava Bhattacharya	Prof. Niranjan Balachandran	Prof. Amitava Bhattacharya	Prof. Amitava Bhattacharya	Tutorial
	Topic: The Polynomial method in Combinatorics	Topic: Counting spanning trees in graphs	Topic: The Polynomial method in Combinatorics	Topic: Counting spanning trees in graphs		
Day 6 30/01/2018	Prof. Niranjan Balachandran	Prof. Niranjan Balachandran	Valediction			
	Topic: The Polynomial method in Combinatorics	Topic: The Polynomial method in Combinatorics				

***On 25/01/2018, Tea break: 10.05 – 10.15 and Session 2: 10.15 – 11.25**