Programme Schedule

Wednesday, December 26, 2012

Time	Details	Venue
09:00 to 10:30	**REGISTRATION AND INAUGURAL FUNCTION**	Prof. C. C. Mehta Auditorium
10:30 to 11:00	**High Tea**	Lounge at Prof. C. C. Mehta Auditorium
Chairperson: S. G. Dani		
11:00 to 11:50	**Lecture-01** **Benjamin Weiss** The Isomorphism Problem in Ergodic Theory - Recent Developments	Prof. C. C. Mehta Auditorium
11:55 to 12:45	**Lecture-02** **Amos Nevo** Diophantine approximation, arithmetic groups and ergodic theory	
Lunch : 12:45 to 14:15		
Chairperson: Alexander Gorodnik		
14:15 to 15:05	**Lecture-03** **Jaydev Artherya** Gap Distributions for the Golden L	Room No. 11 Mathematics Department
15:10 to 16:00	**Lecture-04** **Vasili Bernik** New connections between Dynamic Systems, Metric theory of Diophantine approximation and distribution of algebraic numbers	
Tea / Coffee Break 16:00 to 16:15		
Chairperson: Ravi A. Rao		
16:15 to 16:55	**Lecture-05** **Naoya Sumi** Diffeomorphisms preserving hyperbolic SRB measures	Room No. 11 Mathematics Department
17:00 to 17:40	**Lecture-06** **Kari Eloranta** Sequences with long range exclusions	
17.45 to 18.25	**Lecture-07** **Mythily Ramaswamy** Control of Differential Equations	
19.30 to 21.00	**Dinner**	Hotel Nidra

Thursday, December 27, 2012

Time	Details		Venue
Chairperson: M. S. Raghunathan			
09:00 to 09:50	**Lecture-08** **Alexander Gorodnik** Z^k-actions on nilmanifolds and Diophantine approximation		Room No. 11 Mathematics Department
09:55 to 10:45	**Lecture-09** **Arnaldo Nogueria** Classical homogeneous multidimensional continued fraction algorithms are ergodic		
Tea / Coffee Break 10:45 to 11:00			
Chairperson: Nimish Shah			
11:00 to 11:50	**Lecture-10** **Jon Aaronson** Rational weak mixing in infinite measure spaces		Room No. 11 Mathematics Department
11:55 to 12:45	**Lecture-11** **Barak Weiss** Examples for the horocycle ow on moduli spaces		
Lunch : 12:45 to 14:00			
Chairperson: K.K. Azad			
14:00 to 14:50	**Lecture-12** **V. Kannan** Coexistence of cycle lengths for linear operators		Prof. C. C. Mehta Auditorium
14:55 to 15:45	**Lecture-13** **Anish Ghosh** Bounded orbits of flows on homogeneous spaces		
Tea / Coffee Break 15:45 to 16:00			
Chairperson: Benjamin Weiss			
16:00 to 17:25	**Lecture -14: Talk about Prof. Dani's work-1** **Francois Ledrappier**		Prof. C. C. Mehta Auditorium
	Lecture-15: Talk about Prof. Dani's work-2 **Elon Lindenstrauss**		
17.30 to 18.20	**Thoughts from students of Prof. Dani and also from others**		
18.20 to 18.50	**Honors to be done by** **Prof. Yogesh Singh, Honorable Vice-Chancellor**		
19.00 to 20.00	**Cultural program** Artists from Faculty of Performing Arts		
20.00 to 22.00	**Dinner**		Hotel Nidra

Friday, December 28, 2012

Time	Details	Venue
Chairperson: Tom Ward		
09:00 to 09:50	**Lecture-16** **Elon Lindenstrauss** An effective proof of the Oppenheim Conjecture	Room No. 11 Mathematics Department
09:55 to 10:45	**Lecture-17** **Francois Ledrappier** Entropies and rigidities of compact manifolds	
Tea / Coffee Break 11:05 to 11:30		
Chairperson: Vasili Bernik		
11:00 to 11:50	**Lecture-18** **Kazuhiro Sakai** Measure expansive diffeomorphisms	Room No. 11 Mathematics Department
11:55 to 12:45	**Lecture-19** **S. G. Dani** Lattice subgroup actions and diophantine approximation with binary quadratic forms	
Lunch : 12:45 to 14:00		
Chairperson: Amos Nevo		
14:00 to 14:40	**Lecture-20** **Riddhi Shah** Embeddability of infinitely divisible probability measures on Lie groups	Room No. 11 Mathematics Department
14:45 to 15:25	**Lecture-21** **Ravindra Kulkarni** Inductive Construction of Representations of Finite Solvable Groups	
15.30 to 16.10	**Lecture-22** **T. N. Venkataramana** Monodromy and Arithmetic Groups	
Tea / Coffee Break 16:10 to 16:30		
Parallel Session (Short Presentations)		
Session 1; Chairperson- SD Adhikari		
17.00 to 17.20	**Presentation -1** **K. Vinod Mangang**	Prof. UN Singh Seminar Hall Mathematics Department
17.20 to 17.40	**Presentation -2** **Haribhai Kataria;**	
17.40 to 18.00	**Presentation -3** **Siyu Reiu**	
18.00 to 18.20	**Presentation – 4** **Sofia Trejo**	
18.20 to 18.40	**Presentation-5** **VVMSarma Chandramouli**	
Session 2; Chairperson- CS Aravinda		
17.00 to 17.20	**Presentation -6** **Ruchi Das**	Room No. 11 Mathematics Department
17.20 to 17.40	**Presentation -7** **Sejal Shah**	
17.40 to 18.00	**Presentation -8** **Ekta Shah**	
18.00 to 18. 20	**Presentation -9** **Oliver Sergent**	
18.20 to 18.40	**Presentation -10** **Dhaval Thakkar**	
19.30 to 21.00	**Dinner**	Hotel Nidra

Saturday, December 29, 2012

Time	Details	Venue
	Chairperson: Elon Lindenstrauss	
09.00 to 09.50	**Lecture-23** **Nimish Shah** Equidistribution and counting on orbits of geometrically infinite hyperbolic groups	Room No. 11 Mathematics Department
09.50 to 10.45	**Lecture-24** **Tom Ward** Group automorphisms from a dynamical point of view	
	Tea / Coffee Break 10:45 to 11:00	
	Chairperson: Riddhi Shah	
11:00 to 11.40	**Lecture-25** **Mahesh Nerurkar**	Room No. 11 Mathematics Department
11:45 to 12:25	**Lecture-26** **Pralay Chatterjee**	
12.30 to 13.10	**Lecture-27** **Vadim Kaimanovich** Random graphs, stochastic homogenization and equivalence relations	
	Lunch : 13:10 to 14:30	
	Chairperson: Kazuhiro Sakai	
14:30 to 15:00	**Lecture-28** **Tarun Das** C^1-generically continuum-wise expansive homoclinic classes are hyperbolic	Room No. 11 Mathematics Department
15:00 to 16:00	**OPEN PROBLEMS SESSION** **Host: Jon Aaronson and Alexander Gorodnik**	
16.00 to 16.30	**VALEDICTORY FUNCTION** **Host: Riddhi Shah**	
	Tea / Coffee 16:30	