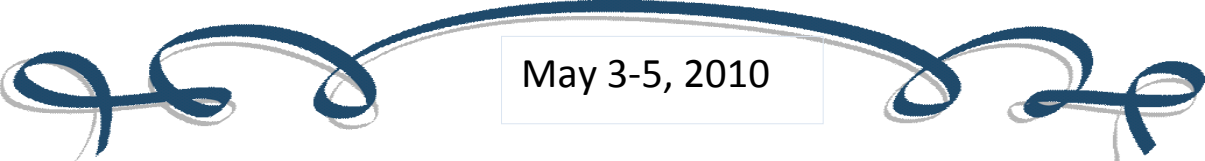


Schedule of Talks

25th Annual Conference of the

Ramanujan Mathematical Society

Dr. B. R. Ambedkar National Institute of Technology
Jalandhar – 144011



May 3-5, 2010

Schedule of Talks

Events on May 3, 2010	
9.00	Registration (First floor IT building)
9.30	Inauguration (Room : CS - 208)
10.00	Presidential Address : (Room : CS - 208)
11.00	Tea Break
11.30 – 12.40	Simultaneous Sessions of Symposia: Algebra (Room : Video Conference Room) <div style="margin-left: 20px;"> 11.30 – 12.05 I B S Passi 12.05 – 12.40 S. K. Khanduja <i>Some Generalization of Dedekind Criterion</i> </div> Applicable Functional Analysis (Room : CS - 313) <div style="margin-left: 20px;"> 11.30 – 12.05 S. Kesavan <i>On the Degenerate Algebraic Riccati Equation</i> 12.05 – 12.40 S. H. Kulkarni <i>Condition Spectrum of a Bounded Operator/Matrix</i> </div>
12.45 – 13.00	Short Talks <div style="margin-left: 20px;"> 12.45 – 13.00 Ramneek Khassa (Room : Video Conference Room) <i>Subfields of Henselian Valued Fields</i> 12.45 – 13.00 Manoj Kumar (Room : CS - 313) <i>A Registration Scheme to Allocate a Unique Identification Number</i> 12.45 – 13.00 A. L. Pathak (Room : CS - 208) <i>A New Subclass of Harmonic Functions defined by Derivative Operator</i> </div>
13.00	Lunch (Community Centre, Near Guest House)
14.30	Plenary Talk: (Room : CS - 208) T. N. Venkataramana <i>Spectral Gap for the Eigenvalues of the Laplacian on Certain Hyperbolic Manifolds</i>
15.30 - 16.05	Simultaneous Sessions of Symposia: Algebra (Room : Video Conference Room) <div style="margin-left: 20px;"> 15.30 – 16.05 Gurmeet Kaur Bakshi <i>A Survey of the Description of the Primitive Central Idempotents in Rational Group Algebras</i> </div> Harmonic Analysis (Room : CS - 208) <div style="margin-left: 20px;"> 15.30 – 16.05 E. K. Narayanan <i>Support Theorems on R^n and Non Compact Symmetric Spaces</i> </div>
16.05	Tea Break
16.35 – 17.10	Simultaneous Sessions of Symposia: Harmonic Analysis (Room : CS - 208) <div style="margin-left: 20px;"> 16.35 – 17.10 Jotsaroop Kaur <i>Segal-Bargmann Transform in different contexts</i> </div> Applicable Functional Analysis (Room : CS - 313) <div style="margin-left: 20px;"> 16.35 – 17.10 Mythily Ramaswamy <i>Use of Weak Topology in PDE Theory</i> </div>
17.10 – 17.25	Short Talks <div style="margin-left: 20px;"> 17.10 – 17.25 M. S. Mahadeva Naika (Room : Video Conference Room) <i>On some Ramanujan's continued fractions</i> 17.10 – 17.25 A. K. Sharma (Room : CS - 313) <i>Application of Fractional Calculus to K-Starlike Function with Positive Coefficients</i> 17.10 – 17.25 Hemant Kumar Nashine (Room : CS - 208) <i>Application to Invariant Approximation of Common Fixed Point Theorem in Complete Linear Metric Spaces</i> </div>
17.30	Public Lecture (Room : CS - 208) K. R. Pathasarthi

Title: "What is Quantum Computation?"

Events on May 4, 2010		
9.30	Plenary Talk: T. R. Ramadas <i>On the Hodge Conjecture</i>	(Room : CS - 208)
10.30 – 11.05	Simultaneous Sessions of Symposia: Algebra 10.30 – 11.05 J. K. Verma <i>On the Positivity Conjecture of Vasconcelos about Normal Chern Number of an Ideal</i> Applicable Functional Analysis 10.30 – 11.05 M. T. Nair <i>Role of Regularization in Ill-posed Problems</i>	(Room : Video Conference Room) (Room : CS - 313)
11.05	Tea Break	
11.35 – 12.45	Simultaneous Sessions of Symposia: Algebra 11.35 – 12.10 Amit Kulshreshta <i>Value Functions on Central Simple Algebras</i> 12.10 – 12.45 Manoj Yadav <i>Subgroups Generated by Small Conjugacy Classes in Finite Groups</i> Harmonic Analysis 11.35 – 12.10 Ajit Iqbal Singh <i>Role of Uniform Continuity in Harmonic Analysis</i> 12.10 – 12.45 Mukund Madhav Mishra <i>Dirichlet Problem on the Heisenberg Group</i>	(Room : Video Conference Room) (Room : CS - 208)
12.45 – 13.00	Short Talks 12.45 – 13.00 Siddabasappa <i>Analytical Solutions of Rotating Fluids using Differential Geometry Technique</i> 12.45 – 13.00 Rajeev Sinha <i>On Generalized Pseudo Conformally Bi- Symmetric Smooth Riemannian Manifold $G(PCBS)_n$</i> 12.45 – 13.00 K. Sushan Bairy <i>Certain identities for a continued fraction of Eisenstein</i>	(Room : Video Conference Room) (Room : CS - 208) (Room : CS - 313)
13.00	Lunch	(Community Centre, Near Guest House)
14.30	Plenary Talk: Probal Choudhary <i>Multiscale Approach in Supervised Statistical Learning</i>	(Room : CS - 208)
15.30 - 16.05	Simultaneous Sessions of Symposia: Algebra 15.30 – 16.05 Manju Khan <i>Unit group of Group Algebra</i> Applicable Functional Analysis 15.30 – 16.05 Raju George	(Room : Video Conference Room) (Room : CS - 313)
16.05 – 16.20	Short Talks 16.05 – 16.20 P. K. Sharma <i>Studying Groups By Generators and Relations</i> 16.05 – 16.20 Saurabh Porwal <i>Convolution of Salagean-type Harmonic Univalent Functions</i> 16.05 – 16.20 Ritesh Agarwal <i>On a Subclass of Harmonic Univalent Functions defined by Convolution and Integral Convolution</i>	(Room : Video Conference Room) (Room : CS - 313) (Room : CS - 208)
16.20	Tea Break	

16.50	Plenary Talk: (Room : CS - 208) G. Rangarajan <i>Time Series Analysis Using Granger Causality</i>
17.50 – 18.25	Simultaneous Sessions of Symposia: Algebra (Room : Video Conference Room) 17.50 – 18.25 Maneesh Thakur <i>The Kneser-Tits-Weiss Conjecture</i> Harmonic Analysis (Room : CS - 208) 17.50 – 18.25 Aparajita Dasgupta <i>Spectral Theory and Spectral Invariance of SG-Pseudo-differential Operators</i>
18.30	General Body Meeting of RMS

Events on May 5, 2010

9.30	Plenary Talk: Mahan Maharaj <i>Structure of Limit sets of Kleinian groups</i>	(Room : CS - 208)
10.30 – 11.05	Simultaneous Sessions of Symposia: Applicable Functional Analysis 10.30 – 11.05 A. K. Pani	(Room : CS - 313)
	Harmonic Analysis 10.30 – 11.05 Sanjay Parui <i>Analyticity of the Schrödinger Propagator on the Heisenberg group</i>	(Room : CS - 208)
11.05	Tea Break	
11.35 – 12.45	Simultaneous Sessions of Symposia: Algebra 11.35 – 12.10 Shripad Garge <i>Invariants of GL_n</i> 12.10 - 12.45 Rubeya Basu <i>A Problem of J.P.-Serre on Projective Modules</i>	(Room : Video Conference Room)
	Harmonic Analysis 11.35 – 12.10 Pratyooosh Kumar <i>Fourier Restriction Theorem on Harmonic NA Group and Some of its consequences</i> 12.10 - 12.45 Ashisha Kumar <i>"Mapping properties of Radon Transform on L^p spaces with power weights"</i> .	(Room : CS - 208)
12.45 – 13.00	Short Talks 12.45 – 13.00 Honey Sharma <i>Statistical Convergence of Linear Positive Operator based on q-Calculus</i> 12.45 – 13.00 M. S. Pukhta <i>Note on a Theorem of S. Bernstein</i> 12.45 – 13.00 M. Manjunatha <i>Some new modular equations and their explicit evaluations</i>	(Room : CS - 208) (Room : CS - 313) (Room : Video Conference Room)
13.00	Lunch	(Community Centre, Near Guest House)
14.30	Plenary Talk: Abhay Bhatt <i>Schramm Loewner Evolutions</i>	(Room : CS - 208)
15.30 – 16.00	Short Talks 15.30 – 15.45 Leena Rani <i>Disturbance due to Various Sources in a Thermally Conducting Cubic Crystal</i> 15.30 – 15.45 S.A. Mohiuddine <i>Bounded Linear Operators for Some New Matrix Transformations</i> 15.30 – 15.45 H. G. Nagaraja <i>(α, β) - Metrics of Sectional Flag Curvature</i>	(Room : Video Conference Room) (Room : CS - 208) (Room : CS - 208)
	Short Talks 15.45 – 16.00 S. Chandan Kumar <i>Some new modular equations and its applications</i> 15.45 – 16.00 Harina P. Waghmare <i>Uniqueness of Meromorphic Functions and Differential Polynomials</i> 15.45 – 16.00 P. P. Murthy <i>Weak Contraction Mappings under Fixed Points Considerations</i>	(Room : Video Conference Room) (Room : CS - 313) (Room : CS - 313)
16.00	Tea	
16.30	A visit to Golden Temple Amritsar	

