11th Biennial Conference of the Indian Society of Industrial and Applied Mathematics

(Emerging Mathematical Methods, Models and Algorithms for Science and Technology)

on 15-16 Dec. 2012

The National Mathematics Year 2012 to Commemorate the 125th Birth Year of Srinivasa Ramanujan

at Gautam Buddha University

Gautam Budh Nagar, National Capital Region, India

TENTATIVE PROGRAMME

15 Dec. 2012, SATURDAY

	9.00-10.00 AM	_	Session-I
	>.00 10.00 III/I		REGISTRATION
			Venue- International Convention Centre
	10.00-11.00 AM	-	INAUGURAL FUNCTION
	10.00 11.00 11.01		(minute to minute prog. given sep.)
			Venue-International Convention Centre Auditorium
	11.00-11.30AM	-	Tea Break
	11.30-13.30PM	_	Session- II
	11.50 15.501 1/1		Venue- International Convention Centre Auditorium
	Chair	_	Prof. H. P. Dikshit,
	Chun		Former Vice-Chancellor, IGNOU and former President ISIAM
	Co Chair	-	Prof. Aparajita Ojha,
			Director, Pt. D. P. Mishra IIT Jabalpur
Speakers	11.30-12.10PM	-	Prof. U. B. Desai,
_			Director, IIT Hyderabad
			Dr. Zakir Husain Memorial Lecture
	12.10-12.50PM	-	Prof. M. Brokate,
			Former Dean Mathematical Science Technical University,
			Munich, Germany
			Current Development in Optimal Control Problem
	12.50-13.30PM	-	Prof. Moin Uddin,
			Pro-Vice Chancellor, DTU & Former
			Director Ambedkar NIT Jalandhar
			Provisioning QOS in Ad hoc Networks using Fuzzy Logic
	13.30-14.30PM	1	Lunch,
			Venue-International Convention Centre
	14.30-16.30PM	-	Session- III
			Venue- International Convention Centre Auditorium
	Chair	-	Prof. M. Brokate,
			Former Dean Mathematical Science Technical University,
			Munich, Germany
-	Co Chair	1	Prof. P. Manchanda
			Convener Scientific Committee
Speakers	14.30-15.00PM	-	Prof. Karmeshu
			Dean, School of Computer and system sciences, JNU
			Nonlinear Stochastic Modeling, Critical Phenomena and
			Diffusion of Innovation in Social Groups

15.00.15.20015	1	D 4 D 7 4
15.00-15.30PM	-	Prof. R. Lozi
		University of Nice FRANCE
		Cryptography based chaos via geometric under-sampling of
		ring-coupled chaotic attractors
15.30-16.00PM	-	Prof. D. K. Chaturvedi,
		Faculty of Engineering Dayalbagh Education Institute
		Dayalbagh, Agra-Soft Computing Techniques and their
		Applications
16.00-16.30PM	1	Prof. R. K. Mohanty
		Dean Faculty of Applied & Computer ScienceSouth Asian University
		Cubic Spline Approximation for Two Dimensional Non-
		linear Elliptic Boundary Value Problems
16.30-17.00PM	_	Tea Break
1010 0 1710 01 172		200 21001
17.00-18.30PM	1	Session-IV
		Venue- International Convention Centre Auditorium
Chair	-	Prof. S. Sunder
		Indian Institute of Technology Madras (IIT Madras)
Co Chair	-	Prof. D. K Chaturvedi
		Dayalbagh Education Institute Dayalbagh, Agra
Speakers 17.00-17.30PM	-	Prof. S. Didas,
		Germany
		Fourth order anisotropic diffusion for image simplification
17.30-18.00PM	-	Dr. Venky Krishnan,
		Tata Institute of Fundamental Research Centre Bangalore
		Micro local properties of transforms in synthetic aperture
		radar imaging
18.00-18.30PM		Dr. Gaik Ambartsoumian,
		Department of Mathematics, University of Texas, USA
		On generalized Radon transforms in ultrasound tomography
18.30-19.30PM	_	Session-V(A)
10.30-17.301 141		Venue- International Convention Centre Auditorium
Chair	_	Prof. Khalil Ahmad
Chan		Dean, Faculty of Natural Sciences, JMI, New Delhi
Co Chair		Dr. Kalim Raza Kazmi
Co Chair	-	
Cmaalrana		AMU, Aligarh
Speakers	-	Dr. Rashmi Bhardwaj
		G.G.S Indraprastha University, Delhi
		Hurst Exponent, Predictability Index, Fractal Dimension
		using Wavelet Method
	-	V. R. Durai
		Indian Meteorological Department, New Delhi
		Statistical Bias Correction Methods for Numerical Weather
		Prediction Model (NWP) Forecasts of Maximum and Minimum
		Temperatures
	-	Kuldeep Srivastava
	_	Indian Meteorological Department, New Delhi Kulwinder Singh Parmar
	_	Department of Mathematics, G. G. S Indraprastha University,
		Delhi-
1	-	Meenu Chawla
		Department of Mathematics, G. G. S Indraprastha University,
		Department of Mathematics, G. G. S Indraprastha University, Delhi Parsan Kaur

		Department of Mathematics, G. G. S Indraprastha University, Delhi
18.30-19.30PM	-	Session-V(B)
		Venue- International Convention Centre conference room 2 nd
		floor
Chair	1	Prof. K. Mustafa
		JMI
Co Chair	1	Prof. Anjana Solanki
		GBU
Speakrs		Dr. Shelly
		Department of Mathematics, Punjabi University, Patiala
		Amandeep Kaur
		Department of Mathematics, SLIET, Longowal, Punjab
		Prof. A. Nejat
		University of Ankara
		Happy Kumar
		Department of Mathematics, Guru Nanak College, Budhlada,
		Punjab
		Prof. Dr. Funda Dökmen
		The University of Kocaeli

Ramanujan 125th Birth year Celebration

(Minute to Minute programme given separately)

Venue: International Convention Centre Auditorium

19.30-21.30PM

16 Dec. 2012, SUNDAY		
9.00-10.00AM	-	Session-VI(A)
		Venue- International Convention Centre Auditorium
Chair	-	Prof. Bani Singh,
		Jaypee University, Noida
Co Chair	-	Dr. Rashmi Bhardwaj
		G. G. S. Indraprastha University, New Delhi
Speakers	-	Dr. Chefi Tirki
		Department of Engineering, Sultan Qaboos University, Oman-
		Petrol Station Replenishment, Optimization Models &
		Solution Methods
	-	Dr. F. A Shah
		University of Kashmir
		Analysis of Euro-zone fixed income markets: A wavelet based
		approach
	-	Vikram Sharma
		Guru Nanak Dev University, Amritsar
		Vector-valued wavelets and wavelet packets on positive half
		line
	-	Ruchira Aneja
		Sharda University, Greater Noida
		Image denoising of biomedical images using Discrete Shear
		let transform
	-	Noor e Zahra
		Sharda University, Greater Noida

Shearlet transform in image enhancement - Sarika Jain Amity University, Noida Colour stealing approach for rendering fractals	
Amity University, Noida Colour stealing approach for rendering fractals	
Colour stealing approach for rendering fractals	
9.00-10.00AM - Session-VI(B)	
Venue: International Convention Centre	
conference room 2 nd floor	
Chair - Prof. N. Singh	
Co Chair - Prof. V. K. Parashar,	
Faculty of Engineering, AMU, Aligarh	
Speakers - Dr.S.C.Shiralashetti	
Dept of Mathematics Karnatak University's Karnatak	
Orthogonal and Biorothogonal Wavelet Based Algebra	io
Multigrid Method for the Solution of Elliptic Parti	aı
Differential Equations	
- Dr. P.B. Mutalik Desai	
Dept of Mathematics Karnatak University's Karnatak	
Finite Element Based Algebraic Wavelet Multigrid Method	for
the Numerical Solutions of Partial Differential Equations	
- Mounesha H. Kantli	
Dept of Mathematics Karnatak University's Karnatak	
Modified Haar Wavelet Transform Numerical Method for	r
the Solution of Non-linear Ordinary Differential Equation	IS
- Shashi Kant and Vivek Kumar Aggrawal	
Delhi Technological University	
Dynamics of a Three Species Food Chain Model with	
Crowley-Martin Type and Holling Type-II Functional	
Response	
- Dr. Lalit Kumar Vashisht	
University Of Delhi	
ON DUALITY OF RETRO BANACH FRAMES	
- Prateek Singh Sengar	
University of Delhi	
Color Image Enhancement by Scaling the DCT Coefficien	ts
versus other Compressed Domain techniques	
10.00-11.00AM - Session-VII Veryora Intermetional Convention Centre Auditorium	
Venue: International Convention Centre Auditorium	
Chair Prof. R. Lozi	
France Co Chair Dr. Abdul Wahid,	
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Head Department of Computer Science, Information Technology of Mathematics, Maylang Azad National Urdy University	ugy
and Mathematics, Maulana Azad National Urdu University Hyderabad	
Speakers 10.00-10.30AM - Dr. Messaoud Boulbrachene, Chairman Research Commi	ttee
Department of Mathematics and Statistics, Sultan Qaboos	iice
University, Oman	
On The Impulse Control Quasi-Variational Inequality:	
Approximation and Computation.	
10.30-11.00AM - Dr. S. P. Chakrabarty	
Department of Mathematics IIT Guwahati	
Optimization of portfolio and consumption subject to	
multidimensional economic constraints	
11.00-11.30AM	

11.30-13.00PM	-	Session VIII Panel Discussion on role of Mathematics in Emerging Areas of Science and Technology
Chair	-	Prof. N. K. Gupta, IIT Delhi
Co Chair	-	Prof. Rajat Gupta, Director, NIT Srinagar
Panelis	-	Prof. Karmeshu, Prof. Brokate, Prof.Ajit Tyagi, Prof. Manchanda, Prof. N. B Singh, Prof. Dalal, Prof. Mushahid Hussain, Prof. A. Nejat, Ms. Noor e Zahra, Dr. Chirashree Ghosh Prof. A. H. Siddiqi(Moderator)
13.00 -13.25PM	-	Valedictory Function Auditorium
13.30-20.30PM	-	Excursion to Taj Mahal/Lotus Temple & Akshaydham Temple

Note: The remaining contributory talks will be scheduled in room no. 201adjacent to Chancellor's suite International Guest House on the confirmation of the participation and registration. Please contact Prof. Manchanda(Mob. 09815010067 Emai: pmanch2k1@yahoo.co.in) after arrival on 14th/15th Dec.2012.

Prof. A. H. Siddiqi

Chairman Organizing Committee