



INTERNATIONAL CONFERENCE

On

The Occasion of Silver Jubilee of the Indian Society of Industrial

and

Applied Mathematics (ISIAM)

at

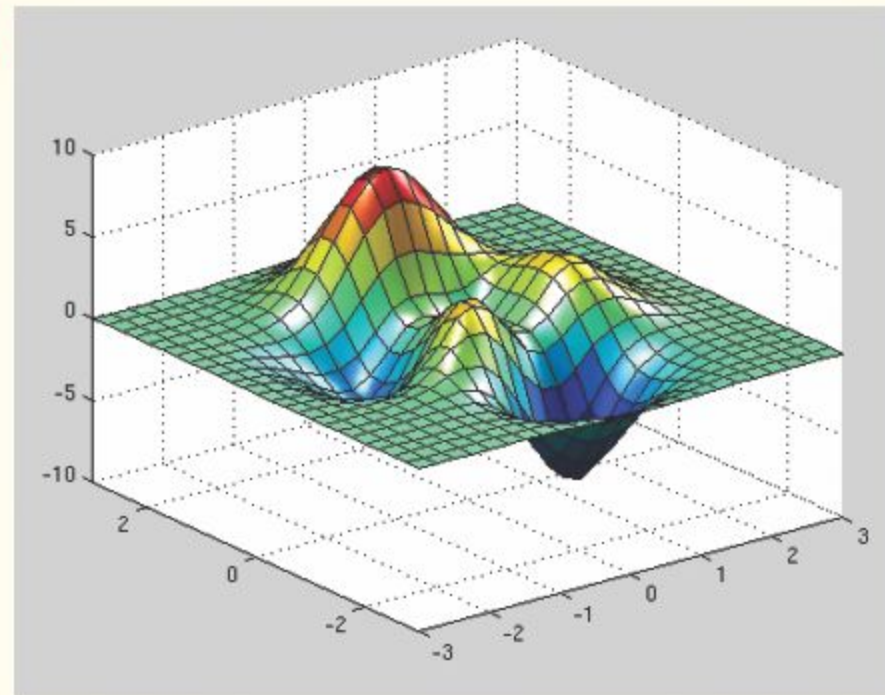
Sharda University

Knowledge Park- 3, Greater Noida, UP (Delhi NCR), India

29-31 January, 2016

FOCUS AREAS

1. Image processing with special focus on Medical Imaging, Biometrics and Tomography.
2. Wavelet Methods for Problems of Engineering and Science including Medical Science and Social Science.
3. Mathematical Methods, Models and Algorithms for Atmospheric Science, Industry, Finance and Nano- Technology.
4. Inverse Problems, Time Series Analysis, Data Mining.



BROAD MATHEMATICAL AREAS

Approximation Theory, Analytic & Numerical Solution of Partial Differential Equations (PDE), Functional analysis and Harmonic Analysis.

For details see

www.siam-india.in
www.sharda.ac.in

PATRONS

Prof. K.R. Sreenivasan
Ex. Director ICTP, Trieste, Italy
& currently senior functionary,
New York University

Hon'ble Mr. P. K. Gupta
Chancellor,
Sharda University

Hon'ble Mr. Y. K. Gupta
Pro Chancellor,
Sharda University

Prof. Vijay Gupta
Vice Chancellor,
Sharda University

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(Joint Coordinator
Jubilee Programme
Committee)

Prof. A. H. Siddiqi
(Coordinator Jubilee
Programme Committee)

TENTATIVE LIST OF INVITED SPEAKERS INCLUDE

Prof. Barbara Keyfitz
President ICIAM

Prof. Maria J. Esteban
President elect ICIAM, France

Prof. A. Fitt
Secretary ICIAM, UK

Prof. E. Cande's
Stanford Univ. USA

Prof. P. Kutchment
Texas A & M, Univ., USA

Prof. L.Chua
UC Berkeley, USA

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INTRODUCTION TO SOME INVITED SPEAKERS

Prof. K.R. Sreenivasan,
Ex Director Abdus Slam ICTP, Trieste, Italy



Katepalli R. Sreenivasan is currently Executive Vice Provost for Engineering and Applied Sciences, Dean of the Polytechnic School of Engineering, and Professor of Physics (Faculty of Arts and Science) and Mathematics (Courant Institute of Mathematical Sciences) at New York University, New York.

Dr. Sreenivasan came to NYU from the International Centre for Theoretical Physics (Trieste, Italy), where he was Director, and the University of Maryland, where he was Distinguished University Professor and Professor of Physics and Engineering, and Director of the Institute for Physical Science and Technology. Dr. Sreenivasan is a member of the National Academy of Sciences and the National Academy of Engineering, and is a Fellow of the American Academy of Arts and Sciences. Working closely with the senior leadership of NYU and NYU Abu Dhabi, he plays a significant role in the planning and development of NYU as a Global Network University. An active researcher, Dr. Sreenivasan's research is in the areas of turbulence, complex fluids, cryogenic helium, and nonlinear dynamics. He has been awarded honorary doctorate degrees from several universities.

Leon O. Chua,
University of California, Berkeley



Professor Chua is known internationally as a pioneer in 3 major research areas, namely, neural networks, chaos, and nonlinear circuits. His work in these areas has been recognized internationally through numerous major awards, including 8 honorary doctorates from major universities in Europe and Japan, Recipient of the top 15 cited author in Engineering Award, 2002. This award was chosen from the Current Contents (ISI) database of all cited papers in the Engineering discipline (all branches of engineering) in IEEE, 1974. Elected foreign member of the European Academy of Sciences (Academia Europaea), 1997. Recipient of the IEEE Neural Networks Pioneer Award, 2000. Recipient of 7 USA patents and major IEEE prizes, including the IEE Browder J. Thompson Memorial Prize Award in 1972, the IEEE W. R. G. Baker Prize Award in 1978, the Frederick Emmons Award in 1974, twice winner of the most prestigious IEEE Circuits and Systems Award (1995 and 1998). Professor Chua was acting Chairman of the IEEE CAS Committee (1995-2000). He has given 12 keynote addresses at major international conferences over the past 5 years. He has 51 years work experience in their respected fields. He had 25 Ph.D., 30 MS and 32 post-doc visitors' research scholars. He has published more than 500 research papers and 8 books.

Barbara Lee Keyfitz,
Ohio State University, President ICIAM



In January, 2009, she joined the Department of Mathematics at The Ohio State University, after 25 years at the University of Houston. From July 2004 until December 2008 she was Director of the Fields Institute for Research in Mathematical Sciences in Toronto, Canada. Her research is in the field of nonlinear partial differential equations. She has studied systems of conservation laws which are non strictly hyperbolic or which change type from hyperbolic to elliptic in steady or unsteady flow. Systems with this behavior arise in models for multiphase flow in porous media, and in two-phase compressible and incompressible flow. With Sunjica Canic and Eun Heui Kim, she began an analysis of self-similar solutions of systems of conservation laws in two space dimensions. Recently, she has been working with Katerina Jegdic and with Allen Tisdall on extensions of this multidimensional work.

She is the President of the International Council on Industrial and Applied Mathematics (ICIAM) since October, 2010. She has made valuable research contribution in her field of specialization.

María J. Esteban,
CNRS, Paris France, President-Elect ICIAM.



María J. Esteban is research director at CNRS since 1991 and works at University Paris-Dauphine. Her research themes include the study of nonlinear partial differential equations, especially by variational methods; relativistic and non relativistic quantum mechanics, with applications to quantum chemistry; fluid-structure interactions, etc. Until recently she was president of SMAI (Société de Mathématiques Appliquées et Industrielles) and currently she is the chair of the Applied Mathematics Committee of the EMS. She is the President Elect of ICIAM and will assume office of the President in October 2015. She has made very significant research contribution in her field of specialization.

Prof. P. Kuchment



Presently he is Distinguished Professor in Texas A & M University, USA. His research field includes Partial Differential Equations and Mathematical Physics; Integral Geometry; Photonic crystal theory; Quantum Graphs with applications to mathematical modeling of meso- and nano-scale structures. He has worked on many projects and still working on Collaborative research: Mathematical problems of biomedical and homeland security imaging by National Science Foundation. He is Senior member of IEEE, Fellow of the American Mathematical Society and Fellow of the Institute of Physics. Recently he has published an interesting volume by SIAM on "The Radon Transform and Medical Imaging". He is a leading expert of image processing.

REGISTRATION FORM

International Conference
Silver Jubilee of ISIAM

1. Name (in block letters)
2. Address for correspondence
3. Mobile
4. Is accommodation required? (Yes/No)
5. If yes, kindly indicate the type of Hotel/Guest House
6. Do you plan to present a research paper? (Yes/No)
7. Are you a member of ISIAM? (Yes/No)
8. If no, would you like to become a life member of ISIAM (ISIAM life membership fee: Rs. 1000/-)? (Yes/No)
9. Registration details Transfer referenc No. Date: Amount: Bank:

The completed proforma may be sent to

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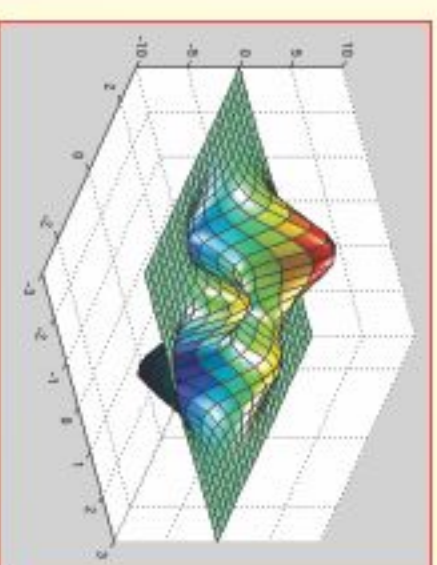
SHARDA UNIVERSITY
Beyond Boundaries

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Expected Support
from NBHM, DST, CSIR,
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Details at websites
www.siam-india.in
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