



INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN INTERDISCIPLINARY SCIENCES

JANUARY 11-12, 2019

ORGANIZED BY

Department of Electronics, University of Jammu, Jammu - 180006, Jammu & Kashmir, India

MOTIVATION

To solve the current societal challenges such as green energy, safe water, clean air, stable climate, food, health etc., academicians, scientists, engineers and stakeholders from industrial forum must work together. Evidently, research is moving towards more interdisciplinary and collaboration between people from different disciplines is necessary to maximize the potential benefits of interdisciplinarity for future research activity. The funding bodies and other members of the research community should take note of the effectiveness of encounters to foster interdisciplinarity and generate space to develop more innovative and high-impact research that delivers solutions to the challenges facing humanity in the future. The proposed event will be focused at various advances in Interdisciplinary Sciences and also emphasize on the ongoing research in this area which will benefit the faculty members and the students from within the Dept. of Electronics in particular and nearby institutions in general.

TOPICS OF INTEREST

Two-day International Conference on "Recent Advances in Interdisciplinary Sciences" will mainly focus on the following topics: An interdisciplinary trend in the following:

- Physical & Electronics Sciences
- Chemical & Life Sciences/EVS
- Nanoscience & Nanotechnology
- Biotechnology & bio sensors
- MEMS & Digital Signal Processing
- Material Science & Earth Sciences
- Computer Sciences & Engineering
- Mathematical Sciences

LIST OF PLENARY AND KEYNOTE SPEAKERS

DR. MEYYA MEYYAPPAN

Chief Scientist for Exploration Technology, National Aeronautics and Space Administration (NASA) Ames Research Center Moffett Field, CA 94035-1000



PROF. VIJAY K. ARORA

Wilkes University, USA & IEEE-EDS Distinguished Lecturer, Founder President VSG-International, 1896 Pioneer Circle, Lafayette, CO 80026, USA.



PROF. V RAMGOPAL RAO

Director, IIT-Delhi, India, Dr. Rao served as a P. K. Kelkar Chair Professor for Nanotechnology in the Department of Electrical Engineering and as the Chief Investigator for the Centre of Excellence in Nanoelectronics project at IIT Bombay.



PROF. RAVI SILVA

Director, Advanced Technology Institute (ATI) and Head of NanoElectronics Centre, The University of Surrey, UK



PROF. RAKESH BHATANAGAR

Vice-Chancellor, Banaras Hindu University, Varanasi - 221005, India



DETAILS

The participation is open to all interested research scholars, P.G. Students/M.Tech/B.Tech (3rd or 4th year) and faculty members of science/engineering streams.

REGISTRATION FEE:

ACADEMIC STAFF/ FACULTIES: INR 2000/-
INDUSTRIAL PERSONNEL: INR 3000/-
RESEARCH SCHOLARS/ STUDENTS: INR 1000/-
FOREIGN DELEGATES: USD 150

THE REGISTRATION FEE INCLUDES CONFERENCE MATERIAL, LUNCH FOR BOTH DAYS.

Fee payment through Bank Demand Draft in favor of HOD Dept. of Electronics, University of Jammu, payable at J&K Bank, new University Campus, Jammu. or through NEFT/RGTS: A/C: 0345040100006503 (IFSC Code: JAKA0CANAAL, SWIFT Code: JAKAINBBSRJ).

ORGANIZING COMMITTEE

Patron: Prof. Manoj K. Dhar
(Vice-Chancellor, University of Jammu)

Convener: Prof. Rakesh Vaid

Co-Convener: Prof. Parveen K. Lehana

Co-Convener: Prof. Susheel Sharma

Org. Secretary: Dr. Rockey Gupta

Co-Org. Secretary: Dr. Rakesh Prasher

ADVISORY COMMITTEE MEMBERS

Prof. Meyya Meyyappan	USA	Dr. Manoj Saxena	India
Prof. V Ramgopal Rao	India	Prof. B. C. Yadav	India
Prof. Ravi Silva	UK	Prof. Adarsh Pal Vig	India
Prof. Vijay K. Arora	USA	Prof. Naresh Padha	India
Prof. Max Migliorato	UK	Prof. P V K S Baba	India
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Prof. Ajit Khosla	Japan	Prof. Romesh Kumar	India
Prof. Rakesh Bhatanagar	India	Prof. Lalit Sen	India
Prof. Anju Bhasin	India	Prof. P. K. Srivastava	India
Prof. A. K. Arof	Malaysia	Prof. R. K. Rampal	India
Prof. Durga Misra	USA	Prof. V. S. Manhas	India
Prof. Ambrish K Mahajan	India	Prof. Namrata Sharma	India
Prof. Mridula Gupta	India	Prof. Joyti Vakhlu	India
Prof. Subir Kumar Sarkar	India	Prof. Pawan Kumar	India
Prof. A. K. Panda	India	Prof. Seema Langer	India
Prof. Sanjay Tiwari	India	Prof. A. S. Jasrotia	India
Prof. Mainuddin	India		

ABOUT JAMMU

Jammu is an important administrative division of Jammu and Kashmir (India). It consists of several districts such as Doda, Jammu, Udhampur, Kathua, Ramban, Rajouri, Reasi, Poonch and Samba. Mata Vaishno Mandir is the holiest shrine of India and it is famous all over the World. The temple is accessible by a journey of 13 kms from Katra which is a small town that falls in Udhampur district of Jammu.

HOW TO REACH: BY AIR

Jammu Airport is at a distance of 8 km from Jammu city. It is well connected to most airports of India, including Delhi and Srinagar Airport.

BY RAIL

Jammu Tawi railway station in Jammu city is the nearest railway station. It has good rail connectivity by means of trains that come here from different Indian cities.

BY ROAD

Jammu has good set-up of roads which connect it with many north Indian cities such as Delhi, Chandigarh, Amritsar, Ambala and Ludhiana. It is located at a distance of 630 km from Delhi. A variety of state transportation buses ply on these routes.

IMPORTANT DATES

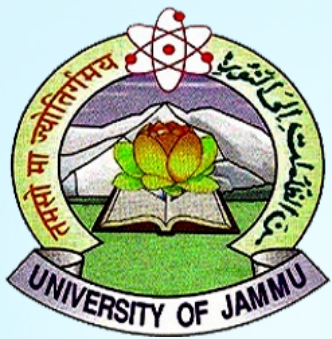
Last Date of Paper Submission: December 20, 2018
Notification of Acceptance: December 27, 2018
Last Date for Registration: December 31, 2018
Last Date for Full Paper submission: January 15, 2019

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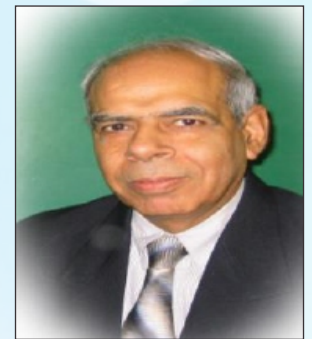
MEET OUR PLENARY/KEYNOTE SPEAKERS

DEPARTMENT OF ELECTRONICS,
JAMMU UNIVERSITY

- **DR. MEYYA MEYYAPPAN** is Chief Scientist for Exploration Technology at NASA Ames Research Center in Moffett Field, CA. Until June 2006, he served as the Director of the Center for Nanotechnology. He is a founding member of the Interagency Working Group on Nanotechnology (IWGN) established by the Office of Science and Technology Policy (OSTP). He has authored or co-authored over 375 articles in peer-reviewed journals and made over 250 Invited/Keynote/Plenary Talks in nanotechnology subjects across the world and over 250 seminars at universities. His research interests include carbon nanotubes, graphene, and various inorganic nanowires, their growth and characterization, and application development in chemical and biosensors, instrumentation, electronics and optoelectronics.



- **PROF. VIJAY K. ARORA**, was a tenured Professor of Electrical Engineering and Physics at Wilkes University with Ph. D. from the University of Colorado, held distinguished visiting appointments at the University of Illinois, the University of Tokyo, National University of Singapore, Nanyang Technological University, the University of Western Australia, Universiti Malaysia Sabah, and Universiti Teknologi Malaysia (UTM). His research interests include nanoelectronics, engineering management and global educational paradigms. Professor Arora has authored or co-authored over 250 papers on scientific, educational, and management issues. He chaired EScienceNano2012, NanoTechMalaysia2010 NanoSingapore2006, and ASEE Mid-Atlantic Conference1996. Professor Arora is on the Distinguished Lecturer Program of the IEEE Electron Devices Society and APS Forum on Industrial and Applied Physics. Compendium of his distinguished lectures appears in his book Nanoelectronics: Quantum Engineering of Low-Dimensional Nanoensembles.



- **PROF. V. RAMGOPAL RAO** is currently the Director, IIT Delhi. Before joining IIT Delhi as the Director in April 2016, Dr. Rao served as a P. K. Kelkar Chair Professor for Nanotechnology in the Department of Electrical Engineering and as the Chief Investigator for the Centre of Excellence in Nanoelectronics project at IIT Bombay. Dr. Rao has over 450 research publications in the area of nano-scale devices & Nanoelectronics and is an inventor on 40 patents and patent applications, which include 15 issued US patents. Eleven of his patents have been licensed to industries for commercialization. Prof. Rao is a co-founder of two deep technology startups at IIT Bombay (Nanosniff & Soilsens) which are developing products of relevance to the society. Dr. Rao is a Fellow of IEEE, a Fellow of the Indian National Academy of Engineering, the Indian Academy of Sciences, the National Academy of Sciences, and the Indian National Science Academy.

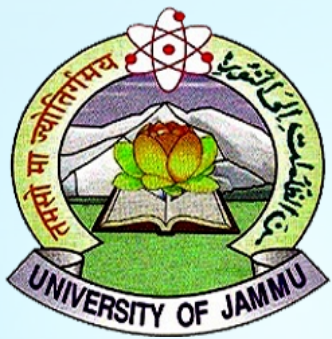


- **PROF. RAVI SILVA** is the Director of the Advanced Technology Institute (ATI) and Heads the Nano-Electronics Centre (NEC) at the University of Surrey, UK, which is an interdisciplinary research activity. The ATI has over 150 active researchers working on multidiscipline programmes with the NEC being a major research group within the institute. Prof. Ravi Silva joined Surrey in 1995. Ravi's secondary education was in Sri Lanka, after which he joined the Engineering Department at Cambridge University for his undergraduate and postgraduate work. He was a recipient of Cambridge Commonwealth Trust Fellowship while at Cambridge and member of Clare College.



- **PROF. RAKESH BHATNAGAR** is an Indian educationist, scientist and currently Vice Chancellor of Banaras Hindu University, Varanasi. He has served as the dean of the school of biotechnology at Jawaharlal Nehru University (JNU), the Vice Chancellor of Kumaun University, the director of the academic staff college at JNU, and the director of the Advanced Instrumentation Research Facility at JNU. He helped develop a genetically engineered vaccine against anthrax. He is an elected fellow of several major Indian science academies and is a recipient of many honors, including the 2016 President of India Visitor's Award for Innovation. His team has also developed a DNA vaccine against Rabies. His research group has initiated research in other important infectious disease systems like Mycobacterium, Brucella; aiming to open avenues for their control. His areas of interest are Molecular Biology of Infectious Diseases, Recombinant Vaccine Development, and Programmed Cell Death





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MEET OUR INVITED SPEAKERS

DEPARTMENT OF ELECTRONICS,
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Prof. Subir Kumar Sarkar

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Prof. Ambrish Kumar Mahajan

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Chairperson, IEEE-WiE Delhi Chapter, Department of Electronic Science, University of Delhi South Campus, New Delhi-1100 21, India.



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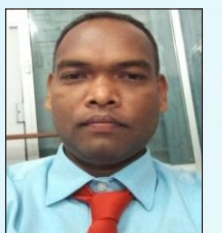
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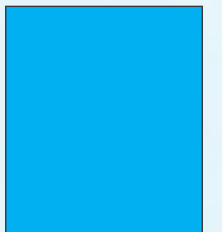
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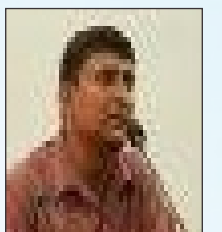
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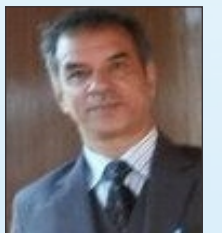
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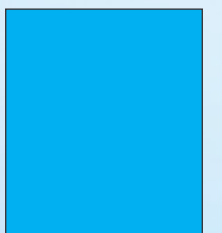
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