

PROGRAMME SCHEDULE

Day 1. Friday 7, September 2018

- 8.30 am to 9.15 am : Registration and breakfast
9.15 am to 9.45 am : Inauguration
9.45 am to 11.15 am : Session 1
11.15 am to 11.30 am : Tea break
11.30 am to 1.00 pm : Session 2
1.00pm to 2.00 pm : Lunch break
2.00 pm to 3.30 pm : Session 3
3.30 pm to 3.45 pm : Tea break
3.45 pm to 5.15 pm : Session 4

Day 2. Saturday 8, September 2018

- 9.00 am to 10.30 am : session 5
10.30 am to 10.45 am : tea break
10.45 am to 12.00 pm : session 6
12.00 pm to 1.15 pm : session 7
1.15 pm to 2.15 pm : lunch break
2.15 pm to 3.45 pm : session 8
3.45 pm to 4.00 pm : tea break
4.00 pm to 4.45 pm : Panel discussion and valedictory

CONVENER

Prof. G.U. Kulkarni

Director,
Centre for Nano and Soft Matter Sciences
P.B.No.1329, Prof.U.R.Rao Road
Jalahalli, Bengaluru-560013
Email: guk@cens.res.in

COORDINATORS

Dr Rajprakash H G, Assistant Professor
Prof R K Baliga, Associate Professor
Department of Engineering Physics
Jawaharlal Nehru National College of Engineering,
Navule, Savalanga Road, Shivamogga-577204
Karnataka, India.
Phone: +91 9448157195/8277414196
Email: prakashraj06@jnnce.ac.in
rk_baliga@yahoo.com

REGISTRATION

No Registration Charges to the participants. Spot registration is not allowed.
Participants are requested to send filled registration form to the coordinator through post or Email.

Last date for registration :
01-09-2018

Notification of the selected Participants :
03.09.2018

CONTACT PERSON

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9448157195, 8277414196

Prof R K Baliga
9886303387

Science Academies Lecture workshop

on

“Emerging Trends in Nanoscience and Nanotechnology”

September 7th and 8th 2018
Venu : MBA/ MCA Auditorium

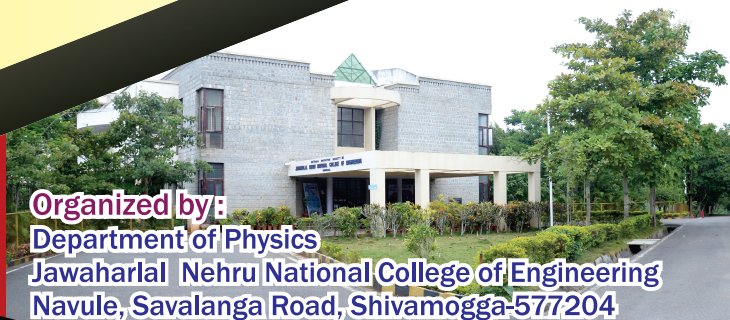


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Jawaharlal Nehru National College
of Engineering



Organized by:
Department of Physics
Jawaharlal Nehru National College of Engineering
Navule, Savalanga Road, Shivamogga-577204

About Jawaharlal Nehru National College of Engineering (JNNCE)

JNNCE is a flagship Institute of the National Education Society (NES), established by freedom fighters and philanthropists and remembering and acknowledging the contributions made by the all the founders and thanking all the current NES Management Committee Members for their support, over the last 38 years, many such developments and improvements have been achieved, with successful milestones. We have set the focus on improving the quality of education, research & innovation, infrastructure development, employability of students and few more. In Ranking/Rating, JNNCE has successfully consolidated and improved upon its relative ranking amongst engineering colleges in Karnataka and India, as confirmed by various surveys conducted by reputed national magazines: Ranked 26th in "India Today" survey, Ranked 30th among Top-100 Engineering Colleges of South India in Survey by "The Week" magazine, Ranked 42nd in India among Top-100 Engineering Colleges of India in 2018 as per "The Outlook" (compared to 46th in 2017) & 7th position in Karnataka, Rating of AAA and User Rating of "4 Out of 5" in "Career 360" Magazine. The lush green sprawling campus of about 39.4 acres caters to the needs of nearly 3750 students and 450 staff, with state-of-the-art technology back-up, well-equipped laboratories and workshops, library, hostels, playgrounds and other amenities. The dedicated faculty of the institute comprises of nearly 46 Ph.Ds as well as 154 with PG qualifications and 4 with M.Phil., amongst whom 60 are pursuing Ph.D. The institution offers BE degree in 7 branches namely Civil Engg., Mechanical Engg., Electrical & Electronics Engg., Electronics & Communication Engg., Computer Science & Engg., Information Science & Engg., Telecommunication Engg., 3 PG Courses, namely M. Tech in Computer Science & Engg., Network & Internet Engg., Machine Design, Computer Aided Manufacturing, Transportation Engg. & Management, Digital Electronics & Communication Systems, Power Electronics, MCA and MBA, besides M.Sc. (Engg.) and Ph.D. in seven disciplines. For more details about the college, please log on to www.jnnce.ac.in

ABOUT THE DEPARTMENT OF PHYSICS

The department has well equipped laboratory with sophisticated instruments. Highly dedicated, well qualified and experienced faculty is the highlight of the department. The faculty members are actively engaged in teaching and learning process. The department has been recognized as a research centre by Visvesvaraya Technological University in 2016. The Environmental Radioactivity Measurements Lab has been established from VGST, Govt of Karantaka, research grant, to pursue research in this area. Two recognized research guides expertise in the field of Environmental Radioactivity, Radiation Physics, Photo fission and Nanoscience are guiding 8 students for Ph.D programme. Active participation of the faculty in Research work has resulted in research publications in scientific journals of international repute.

ABOUT THE WORKSHOP

The workshop is to promote research and development activities in the field of Nanoscience and Nanotechnology. It has now reached the status of being one of the key areas in investigation attracting researchers in the twenty-first century in their endeavors to make use of the unique characteristics of atomic and molecular assemblages constructed at nanoscale. The ability to manipulate the physical and chemical properties of nanoparticles offers researchers the possibility of designing and using nanomaterials rationally in diverse applications. The lecture series of the workshop by experts and scientists in the related areas will inspire the researchers and provide an exposure to various aspects and an opportunity in the field of Nanoscience and nanotechnology.

OBJECTIVES OF THE WORKSHOP

JNNCE Shivamogga is organizing an awareness program on emerging Trends in Nano Science and Nanotechnology in order to facilitate advanced research in various fields of Nanotechnology leading to the development of innovative products for societal benefits. This workshop is aimed at providing a common platform for students, faculties and research scholars in the region with the well known academicians, scientists from reputed organizations to experience and understand recent innovations or trends in Nano science & Nanotechnology. In the workshop, eminent invited speakers will focus on the current trends in the field of Nanoscience, Technology and other related area

TOPICS TO BE COVERED

- * Basics of Nanoscience and Nanotechnology
- * Quantum confinement effects, quantum devices
- * Synthesis and Characterization techniques of Nanomaterials.
- * Carbon nanostructure materials and Devices
- * Nano - lithography and devices
- * Organic Nanoelectronics
- * Nanostructures for energy generation and storage
- * Polymer Nano Composite Materials and Soft materials
- * Nano Bio-material

LIST OF SPEAKERS

Dr Giridhar U Kulkarni

Director, Centre for Nano and Soft Matter Sciences, Bengaluru

Dr Balaji R Jagirdar

Professor, Dept of Inorganic & Physical Chemistry
Indian Institute of Science Bengaluru

Dr M Eswarmoorthy

Professor, JNCASR, Bengaluru

Dr. Geetha G. Nair

Scientist Centre for Nano and Soft Matter Sciences, Bengaluru

Dr. Neena Susan John

Scientist Centre for Nano and Soft Matter Sciences, Bengaluru

CHIEF GUEST

Dr. K. Siddappa,

Honorable Director, JSS Foundation for Science & Technology,
Former Vice Chancellor Bangaluru University, Bangaluru

CHIEF PATRON

Sri A.S Vishwanath, President, NES, Shivamogga

Sri T R Ashwathnarayan shetty, Vice President, NES, Shivamogga

Sri S N Nagaraj, Secretary, NES, Shivamogga

Sri D R Amarendra Kiriti, Joint Secretary, NES, Shivamogga

Sri C R Nagaraj, Treasurer, NES, Shivamogga

PATRONS

Dr H R Mahadevaswamy, Principal, JNNCE, Shivamogga

Dr L K Shreepathi, Vice Principal, JNNCE, Shivamogga

ORGANISING CHAIR

Dr. B N Anandaram, Hod, Dept of Physics, JNNCE

Registration Form :

Name :

Gender :

Designation :

College :

Address :

Mobile No :

E-mail :

Justify your interest in participation :

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For Office Use Only :

Participant Signature

Selected : Yes / No

Note: Bulk registration from Department/Institute including staff and students are encouraged for the ease of correspondence and registration. Last date to send the application is 01-09-2018 through E mail: prakashraj06@jnnce.ac.in or to Dr. Rajprakash H G, Coordinator, Science Academies lecture workshop on Emerging trends in Nano-Science and Nano-Technology, Department of Physics, Jawaharlal Nehru National college of Engineering, Navule, Savalanga Road, Shivamogga-577204, Karnataka, India