

### Important Dates

Submission of full paper	30th August, 2011
Intimation of acceptance of papers	5th September, 2011
Registration of contributors	10th September, 2011
Registration of other participants	23rd September, 2011

### Invited Speakers

Dr. K.P.Vijayakumar, CUSAT, Kochi  
Dr. Manjunatha Pattabi, Mangalore University  
Dr. M.K. Jayaraj, CUSAT, Kochi  
Dr. R.T. Rajendra Kumar, Bharathiar University  
Dr. Elizabeth Elias, NIT Calicut  
Dr. Sony Varghese, NIT Calicut  
Dr. Achamma Bobby,  
Indian School of Mines, Dhanbad  
Dr. Thomas Mathew,  
St. Pius X<sup>th</sup> College, Rajapuram  
Dr. Varkey Sebastian,  
Nirmalagiri College, Koothuparamba  
Dr. N.E. Rajeev,  
Zamoorins Guruvayurappan College, Calicut  
Mr. Madhu. K.G., Ammini Solar, India

### Organising & Advisory Committee

Patron : Sri. R. Prasanna kumar,  
Manager NSS Colleges'  
Central Committee  
Chairman : Prof. P. Muraleedharan,  
Principal, PRNSS College  
Chief Advisor : Dr. K. Chandrashekar,  
NIT, Calicut  
Convener : Dr. T.L. Remadevi,  
HOD Physics, PRNSS College  
Joint Convener: Ms. Deepa. K.  
Dr. T.P. Raveendran  
Dr. P.P. Lakshmanan  
Dr. K.B. Vidya  
Dr. Mahesh Kumar. M  
Mr. M.K. Satheesan  
Ms. M. Anupama  
Ms. P.V. Leena  
Ms. Preethi George

Mr. M.C. Sreenath  
Ms. K.C. Preetha  
Ms. A.J. Ragina  
Mr. K.V. Murali  
Ms. A.C. Dhanya

### Student Organizers

Sijo Chacko, Suryasree. K  
Anusree. U., Nidheesh. T.K.

### PAZHASSIRAJA NSS College

Mattannur, a quiet and non-descript town 28 km from the district headquarters of Kannur and 25 km from Thalassery is the venue for one of the oldest institutions of higher learning in the region. Located in the picturesque and serene surroundings, the Pazhassi Raja NSS College came into being in 1964. Founded by the social reformer and educationalist, Padmabhushan Sri. Mannathu Padmanabhan, the college is named after the great freedom fighter Sri. Kerala Varma Pazhassi Raja. The College presently offers PG and UG programmes in various subjects.

### Department of Physics

Along with the curricular and co-curricular programmes, research and extension activities are being carried out in the department since 2006. The department has a well equipped thin film and nanomaterial research lab with different wet coating units and sophisticated electrical characterization set up. Research activities are focused on nanomaterials for photovoltaic and optoelectronic applications with projects supported by UGC and KSCSTE.

### Contact

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Call for papers

## NATIONAL SEMINAR ON EMERGING TRENDS IN OPTOELECTRONIC AND SOLAR ENERGY NANOMATERIALS

# EOSN-2011

SEPTEMBER 23 - 24, 2011

Organised by

Department of Physics  
Pazhassi Raja NSS College,  
Mattannur

Kannur Dt., Kerala - 670702  
(Accredited by NAAC with B Grade)

Sponsored by

The University Grants Commission  
in collaboration with  
Department of Physics  
National Institute of Technology, Calicut

Venue

Pazhassi Raja NSS College,  
Mattannur

### Background

As national level seminars and conferences lead to increasing interaction among regions and people of the country, it is important to encourage multi-disciplinarity in emerging scientific topics such as nanotechnology. Nanotechnology is rapidly growing and has provided solutions to numerous unsolved problems but is still in its infancy with a lot more to be explored. The application of nanotechnology in optoelectronic and photovoltaic devices has great impact on the quality of our life. The aim of the national seminar on Emerging trends in Optoelectronic and Solar Energy Nanomaterials (EOSN-2011) is to gather scholars from all over the country to present current developments in advanced nanomaterials and to foster an environment conducive to exchanging ideas and information. Seminar also aims to exhibit and demonstrate the latest advances and discoveries in silicon based solar cell technology.

### Scope

The scope of the EOSN-2011 includes but not limited to: Synthesis and Fabrication of advanced materials, Thin films, Nanomaterials, Polymers and Composite materials, Photonic materials, Ceramic materials, Solar energy materials, Crystal growth, Optoelectronics, Nanoelectronics, Nanophotonics, Semiconductors and Semiconducting devices, Solar cells, Lighting and displays, Simulation studies and Modeling of nanosystems and nanoapplications.

### Objectives

Share knowledge in emerging trends in optoelectronic and photovoltaic nano-

### materials

- Provide excellent opportunity to develop collaborations on the fundamentals and applications of nanoscience
- Inspire young researchers
- Encourage discoveries and industrialization of research outputs

### Paper Submission

Participants are requested to submit the full paper, 3-8 pages of A4 size in MS word (2003/2007) format (Times New Roman font, font size 12, line spacing 1.5, subtitles bold) on or before 30<sup>th</sup> August 2011 in electronic form to [eosn2011@gmail.com](mailto:eosn2011@gmail.com). Papers will be reviewed and selected for oral presentation. Once the reviewing process is complete, the corresponding author of each paper will be notified of the result, by e-mail on or before 5<sup>th</sup> September 2011. The authors are required to follow the reviews if any in order to improve their paper before their final submission.

Papers must be presented by one of the authors. At least one of the authors must register for the seminar and pay the fee prior to 10<sup>th</sup> September, 2011 in order for the paper to be published in the proceedings and retained in the final program.

**Article structure:** Title; Name of authors and affiliations; e-mail id of corresponding author; Abstract; keywords; Introduction; Experimental/Theory/Modeling; Results and Discussion; Conclusion; Acknowledgment; References.

Ensure to provide telephone number, e-mail address and the complete postal address of the corresponding author in a separate page. Please ensure that artwork files are in an acceptable format (TIFF, MS Office files) with the correct resolution.

### Registration Fee

Registration fees for the delegates subsume the proceedings, food and seminar kit. Electronic registration can be made by submitting the participants Name, Designation/Class, Institution, Phone Number, E-mail id, Permanent address and Requirement of accommodation to [eosn2011@gmail.com](mailto:eosn2011@gmail.com). DD must be taken in favour of The convener, EOSN-2011, payable at Mattannur and send to the convener with a covering letter quoting the title of the paper.

Participants	Registration before 10 <sup>th</sup> September '11	Registration after 10 <sup>th</sup> September '11
Academicians/ Scientists	Rs. 400	Rs. 500
FIP Scholars	Rs. 300	Rs. 400
Research Scholars	Rs. 200	Rs. 300
Students	Nil	Nil

### Accommodation and Travel Support

Free accommodation to limited number of registered participants will be provided on first come first serve basis. Those who need accommodation may inform the Convener by e-mail before 15<sup>th</sup> September, 2011. Back and forth, II class sleeper train or actual bus fare by the shortest route will be reimbursed to the paper presenters.

### Publication

All the invited lectures and accepted full papers will be published in the proceedings on the inaugural day of the seminar. Selected papers will have the opportunity to be published in Brennen Journal of Multidisciplinary Studies after peer review.