

**Innovations in Nanoworld- Neoteric Vision and Emerging  
NanoTechnologies (INNVENT)-2017**

**December 13-15, 2017**

**Organized by IUCND and ECS Student Chapter,  
Cochin University of Science and Technology (CUSAT)**

**Technical Programme**

**Day 1 (13-12-2017, Wednesday)**

08.30 - 09.30 am	<b>Registration</b>
09.30 - 10.30 am	<b>Inaugural function</b>
10.30 - 11.00 am	Tea break
11.00 - 12.00	<b>Plenary Lecture: Nanomaterials for Energy –Fuel Cells</b> <b>Prof. Takeo Yamaguchi</b> Tokyo Institute of Technology, Institute of Innovative Research, Japan Topic: Systematic NanoMaterial Design for Fuel Cells
12.00 - 12.45 pm	<b>Invited Lecture I: Nanomaterials for Energy- Storage (session I)</b> <b>Dr. M.M. Shaijumon</b> Associate Professor Indian Institute of Science Education and Research, Thiruvananthapuram
12.45 - 01.45 pm	Lunch Break
01.45 - 02.30 pm	<b>Invited Lecture II: Nanomaterials for Energy- Storage (session II)</b> <b>Dr. M.M. Shaijumon</b> Associate Professor Indian Institute of Science Education and Research, Thiruvananthapuram
02.30 - 03.30 pm	<b>Invited Lecture III: Nanomedicine (session I)</b> <b>Prof. Manzoor Koyakkutty</b> Amrita Centre for Nanosciences and Molecular Medicine, Kochi Topic: Challenges in Cancer medicine
03.30 - 03.45 pm	Tea break
03.45 - 04.30 pm	<b>Invited Lecture IV: Nanomedicine (session II)</b> <b>Prof. Manzoor Koyakkutty</b> Amrita Centre for Nanosciences and Molecular Medicine, Kochi Topic: Challenges in Cancer medicine

## Day 2 (14-12-2017, Thursday)

09.30 - 10.20 am	<b>Technical session I: Electron beam Lithography</b> Carl Ziess
10.20 - 10.40 am	Tea break
10.40 - 11.30 am	<b>Technical session II: SEM</b> Carl Ziess
11.30 - 12.30 pm	<b>Invited Lecture V:</b> Electron Microscopy for advanced characterization <b>Dr. S. Amirthapandian</b> , IGCAR, Kalpakkam
12.30 - 01.30 pm	Lunch Break
01.30 - 02.30 pm	<b>Technical session III: Atomic Force Microscopy</b> Toshniwal (Agilent)
02.30 - 03.30 pm	<b>Invited Lecture VI:</b> Electron Microscopy for advanced characterization <b>Dr. S. Amirthapandian</b> , IGCAR, Kalpakkam
03.30 - 03.45 pm	Tea break
03.45 - 05.00 pm	<b>Poster presentations</b>

## Day 3 (15-12-2017, Friday)

09.45 -10.30 am	<b>Invited Lecture VII: Optical Lithography (session I)</b> <b>Prof. P.S. Anilkumar</b> Department of Physics, Indian Institute of Science Bangalore
10.30 - 11.00 am	Tea break
11.00 - 11.45 am	<b>Invited Lecture VIII: Optical Lithography (session II)</b> <b>Prof. P.S. Anilkumar</b> Department of Physics, Indian Institute of Science Bangalore
11.45 -12.45	<b>Technical session IV: TEM</b> <b>Dr. Aby, JEOL</b> Topic: Advances in the field of Transmission Electron Microscopy
12.45 - 01.45 pm	Lunch Break
01.45 - 2.30 pm	<b>Valedictory Function</b>
02.30 - 04.30 pm	<b>Lab visit and Demonstration of Experiments</b>