

SCICON '16 - INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS			
Day 1: 19th December 2016			
Time	Details of the Programme		
07:30 to 08:45 am	Registration and Breakfast		
09:00 to 10:00 am	Inauguration (Amriteshwari Hall)		
	Plenary Session I (Amriteshwari Hall)		
10:00 to 10:45 am	High-performance, low-cost, single-crystal-like device layers and controlled self-assembly of nanostructures within device layers for wide-ranging energy and electronic applications. Amit Goyal, University of Buffalo, USA		
10:45 to 11:30 am	Time and Space resolved spectroscopy towards understanding structure and dynamics. Siva Umapathy, IISc Bangalore		
11:30 to 11:45 am	Break		
11:45am to 1:15 pm	Parallel Session 1		
	NANOMATERIALS (Amriteshwari Hall)	ELECTRONIC AND MAGNETIC MATERIALS (Seminar Hall I)	NONLINEAR OPTICS (Seminar Hall II)
Invited Talks (25 minutes each)	Progress in Nanotechnology: Science to application prospects Ramachandra Rao M. S. IIT Madras	Role of Molecular Modelling in the Developement of Molecular Nanomagnets Gopalan Rajaraman IIT Mumbai	Cu, Mn and Au incorporated zinc sulfide nanostructures Mahadevan Pillai V. P. University of Kerala
	Optical and Electrochemical Sensing of Small Molecules: Metal Nanoparticles vs. CarbonMaterials Abraham John S. Gandhigram Rural University	Optimising Magnetostriction Parameters of Cobalt Ferrite Based Materials Joy P. A. NCL, Pune	Fiber optic sensor network for aircraft usage monitoring Chun-Gon Kim KAIST, Korea
Delegate Talk (10 minutes each)	Abstract No: 12, 96, 100	Abstract No: 17, 23, 29	Abstract No: 51, 52, 65
01:15 to 2:30 pm	Lunch Break		
	Plenary Session II (Amriteshwari Hall)		
02:30 to 03:15 pm	Designer molecules for imaging and diagnostic applications. Amitava Das, Central Salt & Marine Chemicals Research Institute		
03:15 to 04:00 pm	Electrochemical nano/micro fabrication processes for functional structures and devices - Process development and mechanistic understanding. Takayuki Homma, Waseda Univiersity, Japan		
04.00 to 05:15 pm	Poster Presentation (Abstracts 001-120) (Sudhamani Hall)		
05:15 to 07:30 pm	Parallel Session 2		
	NANOMATERIALS (Amriteshwari Hall)	ELECTRONIC AND MAGNETIC MATERIALS (Seminar Hall I)	POLYMERIC MATERIALS (Seminar Hall II)
Invited Talks (25 minutes each)	Coinage Metal in the Nanometer Regime Tarasankar Pal IIT, Kharagpur	What Controls the Sign and Magnitude of Magnetic Anisotropy in Tetrahedral Cobalt (II) Single-Ion Magnets? Maheswaran Shanmugam IIT Mumbai	Protection of metallic surfaces through electropolymerized coatings Sethuraman M. G. Gandigram Rural Institute
	Nanomaterials for explosives detection Venugopal Rao S. University of Hyderabad	Electrodeposition of Lead-Free Materials for Microelecronic Packaging Murali Rangarajan Amrita University	A neutral pH assisted electropolymerization of anline to polyaniline on multiwalled carbon nanotube surface and its improved electroanalytical features Annamalai Senthil Kumar VIT
	Role of nanostructures in Biomedical imaging and therapeutic Applications Jayasree R. S. Sree Chitra Tirunal Institute		
Delegate Talk (10 minutes each)	Abstract No: 180, 233, 267, 294, 296, 298	Abstract No: 74, 170, 197, 248, 254	Abstract No: 281(optics), 14, 91, 185, 223
07:30 to 09.30 pm	Cultural Events (Amriteshwari Hall) Dinner		

<div> <div>SCICON '16 - INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS</div> <div>Day 2: 20th December 2016</div> </div>			
Time	Details of the Programme		
07:30 to 08:45 am	Breakfast		
	Plenary Session III (Amriteshwari Hall)		
09:00 to 09:45am	Self-assembly of π -Gelators on Carbon Allotrops. <i>AyyappanpillaiAjayaghosh, Director, NIIST, Thiruvananthapuram</i>		
09:45 to 10:30 am	<i>Shantikumar Nair, Amrita University</i>		
10:30 to 10:45 am	Break		
10:45 am to 01:00 pm	Parallel Session 3		
	TRANSLATIONAL RESEARCH <i>(Amriteshwari Hall)</i>	BIOMATERIALS <i>(Seminar Hall I)</i>	COMPUTATIONAL MATERIAL SCIENCE <i>(Seminar Hall II)</i>
Invited Talks (25 minutes each)	Challenges in engineering product development <i>Dinesh N. S.</i> <i>IISC Bangalore</i>	Hierarchical nanofibrous architectures by integrating electrospinning with textile technology <i>DeepthyMenon</i> <i>Amrita university</i>	Modeling Charge Carrier Mobilities in Molecules and extended systems: A Few Examples <i>Swapan K Pati</i> <i>JNCASR, Bangalore</i>
	Bio-materials of today and tomorrow& their influence on human life <i>Maruthy K.N.</i> <i>Narayana Medical College, Nellore</i>	Recent Development on Biocompatible Theranostic Surface Enhanced Raman Scattering (SERS)- Nanoprobe for Spectroscopic Detection and Bioimaging of Human Cancer <i>Kaustabh Kumar Maiti</i> <i>NIIST, Trivandrum</i>	
	Soil testing kits:The long journey from laboratory to market <i>SeemaBhadauria</i> <i>RBS College, Agra</i>	Hydrogel Based Antimicrobial Nanocomposite Scaffolds for the Treatment of Infectious Wounds <i>JayakumarRangasamy</i> <i>Amrita University</i>	
Delegate Talk (10 minutes each)	Abstract No: 15, 62, 82, 83	Abstract No: 41, 112, 124, 149	Abstract No: 26, 38, 108, 132, 135, 143, 148, 150, 276
01:00 to 02:30pm	Lunch Break		
	Plenary Session IV (Amriteshwari Hall)		
02:30 to 03:15 pm	Spontaneous Emergence of Chirality In Achiral Systems:The Case of LyotropicChromonic Liquid Crystals (LCLCs) <i>Mohan Srinivasarao, Georgia Institute of Technology, USA</i>		
03:15 to 04:00 pm	Nanoporous Materials for Energy, Sensing and Environment. <i>AjayanVinu, University of South Australia</i>		
04:00 to 05:30 pm	Poster presentation(Abstracts: 121-210) (Sudhamani Hall)		
05:30 to 07:15 pm	Parallel Session 4		
	TRANSLATIONAL RESEARCH <i>(Seminar Hall II)</i>	BIOMATERIALS <i>(Seminar Hall I)</i>	NANOMATERIALS <i>(Amriteshwari Hall)</i>
Invited Talks (25 minutes each)	Diffuse Optical Tomography: The translation from research laboratory to clinical validation of a diffuse optic tomography system <i>RajanKanhirodan</i> <i>IISc Bangalore</i>	<i>Bipin Nair</i> <i>Amrita University</i>	High Potential Oxygen Reduction at Laccase-Modified SWCNT Electrode for Enzyme Catalytic Fuel Cell <i>Masato Tominaga</i> <i>Saga University, Japan</i>
	Point of Care Diagnostic Devices: From Laboratory to Industry <i>John Stanley</i> <i>Amrita University</i>	The expectation and outcome of cell adhesion peptides in regenerative medicine <i>SadhasivamSubramaniam</i> <i>Bharathiar University</i>	Inorganic Nanosheet-based Hybrids for Energy and Environmental Technologies <i>Inyoung Kim</i> <i>University of South Australia</i>
			Synthesis and bio- fictionalization of nano-material by ultrashort pulse laser <i>Krishnan Venkatakrishnan</i> <i>Ryerson University, Canada</i>
Delegate Talk (10 minutes each)	Abstract No: 85, 220, 246, 253, 262	Abstract No: 251, 292, 295	Abstract No: 320
07:30 to 09:30 pm	Cultural Events and Banquet Dinner (Guest House Lawn)		

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Day 3: 21st December 2016			
Time	Details of the Programme		
07:30 to 08:45 am	Breakfast		
Plenary Session V (Amriteshwari Hall)			
09:00 to 09:45am	Diverse energy-storage-technologies for climate-change mitigation. Shukla A.K. , IISc Bangalore		
09:45 to 10:30 am	Sabu Thomas, MG University		
10:30 to 11.45 am	Poster presentation (Abstracts 211-342) (Sudhamani Hall)		
11:45 amto 01:15 pm	Parallel Session 5		
	MATERIALS FOR GREEN TECHNOLOGY AND WATER PURIFICATION (Seminar Hall I)	COMPOSITES AND CERAMIC MATERIALS (Amriteshwari Hall)	MATERIALS FOR ENERGY APPLICATIONS (Seminar Hall II)
Invited Talks (25 minutes each)	Microbial Fuel Cells (MFC)- The dark horse in the making? AjithMadhavan Amrita School of Biotechnology, Kollam, Kerala	Some New Observations on the Structural and Phase Evolution of Nickel TitanateNanofibers Anandhan S. N I T, Karnataka	Dye Sensitized TiO ₂ Nanotubes for Photoelectrochemical Applications Raman Vedarajan JAIST, Japan
		Electrical and optical dielectric constants of perovskite oxides Sinha T. P. Bose Institute, Kolkatta	New Trends in Rechargeable Batteries and Proton Exchange Membrane Fuel Cells MuhammedMusthafa O. T. IISER Pune
		Nano-Structure Reinforced Polymer Matrix Composite for Thermo-mechanical Applications Roy Mahapatra D. IISc Bangalore	Quantum Dots and Perovskites as promising sensitizers over Dyes in Liquid Junction Solar Cells GeethaBalakrishna R. Jain University
Delegate Talk (10 minutes each)	Abstract No: 55, 70, 171, 181, 193, 245		Abstract No: 32
01:15 to 02:30 pm	Lunch Break		
02:30 to 03:20 pm	Parallel Session 6		
	COMPOSITES AND CERAMIC MATERIALS (Seminar Hall I)	COMPOSITES AND CERAMIC MATERIALS (Amriteshwari Hall)	MATERIALS FOR ENERGY APPLICATIONS (Seminar Hall II)
Delegate Talk (10 minutes each)	Abstract No: 64, 84, 90, 95, 139	Abstract No:141, 165, 199, 202, 224	Abstract No: 71, 126, 206, 234, 238
03:20 to 03:35 pm	Break		
03:35to 04:30 pm	Valedictory and Prize Distribution (Amriteshwari Hall)		