

SCHEDULE

INTERNATIONAL CONFERENCE ON ADVANCED NANOSTRUCTURES (ICAN-2018)

12-14 March 2018

Venu: Auditorium, Catholicate College, Pathanamthitta, Kerala

(PL-Plenary Lecture, IL-Invited Lecture, SIL-Short Invited Lecture, OP-Oral Presentation, PP-Poster Presentation)

1st Day of the Conference 12th March 2018			
SL. No.	Name of Speaker	Title of the talk	Time
	Registration		8.00-8.40
	Opening Remarks		9.00-10.00
	Tea Break		10.00-10.10
PL-1	Prof. Dr. E. Carolina Sañudo , Universitat de Barcelona, Spain	Coupling SMMs to a Substrate: Understanding Molecule-Surface Interaction in Molecular Spintronic Devices	10.10-11.00
Chairpersons: Prof. Dr. Jean-Pierre Leburton , University of Illinois, USA Prof. Dr. Nandakumar Kalarikkal , Mahatma Gandhi University			
IL-1	Prof. Dr. Jacob Philip , Amal Jyothi College of Engineering, India	Magneto-electric coupling in multiferroic nanocomposites of the type NKLN-MFO: Role of ferrite phase	11.00-11.40
IL-2	Prof. Dr. P.M.G. Nambissan , Saha Institute of Nuclear Physics, India	The importance of focusing on defects in nanocrystalline systems	11.40-12.20
IL-3	Prof. Dr. Pramod P. Pillai , Indian Institute of Science and Education Research, India	Advanced nanoparticle functions through interplay of forces	12.20-13.00
	Lunch Break		13.00-13.45
Chairpersons: Prof. Dr. P.M.G. Nambissan , Saha Institute of Nuclear Physics, India Prof. Dr. Józef T. Haponiuk , Gdansk University of Technology, Poland			

IL-4	Prof. Dr. M K Jayaraj , Cochin University of Science and Technology, India	Fabrication of cost effective and reproducible SERS substrates	13.45-14.25
IL-5	Prof. Dr. Lamouroux Emmanuel , Université de Lorraine, France	Transparent nanostructured indium tin oxide electrodes: preparation and characterization	14.25-15.05
IL-6	Prof. Dr. Ramana Murthy Sarabusity , Osmania University, India	Microwave absorption properties of NiCuZn ferrite-PANI nanocomposites	15.05-15.45
	Tea Break		15.45-16.00
Chairpersons: Prof. Dr. S.K. Musharaf Ali , Bhabha Atomic Research Centre, India Prof. Dr. Sony C George , Amal jyothi College of Engineering, India			
IL-7	Prof. Dr. Chaitanya Lekshmi Indira , CMR Institute of Technology, India	Metal oxide nanocrystal functionalization of graphite electrodes for catechol biosensing in aqueous solutions	16.00-16.40
SIL-1	Dr. Achu Chandran , Central Electronics Engineering Research Institute, India	Liquid crystal-nanocomposites; a promising candidate for next generation optical device	16.40-17.00
	Poster Session		17.00-18.00
	Cultural Programme		18.00-19.30
	Conference Dinner		19.30- 20.00

2nd Day of the Conference 13th March 2018
Hall-1: Auditorium, Catholicate College, Pathanamthitta, Kerala

PL-2	Prof. Dr. Aleshin Andrei, Ioffe Physical-Technical Institute, Russia	Light-emitting field-effect transistors based on polyfluorene - cesium lead halide nanocrystals films with small hysteresis of output and transfer characteristics	09.00-9.50
	Tea Break		09.50-10.00
<p>Chairpersons: Prof. Dr. Paradies, Henrich H, Jacobs-University Bremen, Germany Prof. Dr. M K Jayaraj, Cochin University of Science and Technology, India</p>			
IL-8	Prof. Dr. P. Pradeep, National Institute of Technology, India	Green material strategies for organic and hybrid electronics	10.00-10.40
IL-9	Prof. Dr. Sony C George, Amal Jyothi College of Engineering, India	Graphene nanocomposites: Multifunctional materials for the future	10.40-11.20
IL-10	Prof. Dr. S.K. Musharaf Ali, Bhabha Atomic Research Centre, India	Computational and Experimental Molecular Engineering of the Nanomaterials	11.20-12.00
IL-11	Prof. Dr. Darja Lisjak, Jožef Stefan Institute, Slovenia	Upconverting Nanoparticles: Dissolution Problem and a Potential Solution towards Biomedical Applications	12.00-12.40
	Lunch Break		12.40-13.40
<p>Chairpersons: Prof. Dr. Gonzalo Vallejo Fernandez, University of York, United Kingdom Prof. Dr. P. Pradeep, National Institute of Technology, India</p>			

IL-12	Prof. Dr. Ivan Zulim, University of Split, Croatia	A gas-phase model of cluster formation based on van der Waals-London interaction between neutral silicon atoms	13.40-14.20
IL-13	Prof. Dr. Józef T. Haponiuk, Gdansk University of Technology, Poland	Polyurethane Nanocomposite Elastomers, Foams and Blends	14.20-15.00
	Tea Break		15.00-15.10
	Conference Tour		14.50-19.00
	Conference Dinner		19.00-20.00
2nd Day of the Conference 13th March 2018 <u>Hall-2: Mar Clemis Hall, Catholocate College, Pathanamthitta, Kerala</u>			
Chairpersons: Prof. Dr. Sasa Lazovic, University of Belgrade, Serbia Dr. Pramod Avti, Postgraduate Institute of Medical Education and Research, India			
SIL-2	Dr. Pratibha Kumari, University of Delhi Delhi, India	Calixarene modified magnetite nanomaterials for the Removal of pyridinium based pollutants from aqueous solution	10.00-10.20
SIL-3	Dr. K. Pattabiraman, Annamalai University, India	Topological Descriptors of Some Nanostructures	10.20-10.40
SIL-4	Dr. P Nuja S John, CMS College, India	Synthesis of luminescent PVA/SBN nanofiber	10.40-11.00
SIL-5	Dr. Sherin Reju, St. Xavier's College, India	Electrochemical study of nanostructured Mn ₃ O ₄ synthesized through a single step auto igniting combustion technique	11.00-11.20

SIL-6	Dr. Sankar S , Sree Narayana College, India	Biological reduction of AgNPs with anti-fungal activity using aloe barbadensis miller	11.20-11.40
SIL-7	Dr. M. Seenivasan , Annamalai University, India	Batch arrival retrial queueing model with matrix geometric analysis	11.40-12.00
Chairpersons: Prof. Dr. P.M.G. Nambissan , Saha Institute of Nuclear Physics, India Prof. Dr. E. Carolina Sañudo , Universitat de Barcelona, Spain Prof. Dr. Jacob Philip , Amal Jyothi College of Engineering, India			
OP (1 - 4)	Oral Presentation Competition for Young Researchers		12.00-12.40
	LUNCH BREAK		12.40-13.40
Chairpersons: Prof. Dr. P.M.G. Nambissan , Saha Institute of Nuclear Physics, India Prof. Dr. E. Carolina Sañudo , Universitat de Barcelona, Spain Prof. Dr. Jacob Philip , Amal Jyothi College of Engineering, India			
OP (5 -12)	Oral Presentation Competition for Young Researchers		13.40-15.00
3rd Day of the Conference 14th March 2018 Hall1 : Auditorium, Catholicate College, Pathanamthitta.			
PL-3	Prof. Dr. Jean-Pierre Leburton , University of Illinois, USA	2D Nanoscale Materials for Genetic Applications	09.00-9.50
	TEA BREAK		09.50-10.00
Chairpersons: Prof. Dr. Aleshin Andrei , Ioffe Physical-Technical Institute, Russia Prof. Dr. E. Carolina Sañudo , Universitat de Barcelona, Spain			
IL-14	Prof. Dr. Paradies, Henrich H , Jacobs-University Bremen, Germany	Ordering and liquid-crystalline lipid A-phosphate complexes controlling the immunological defense.	10.00-10.40

IL-15	Prof. Dr. Gonzalo Vallejo Fernandez , University of York, United Kingdom	Factors affecting the measurement of magnetic hyperthermia	10.40-11.20
IL-16	Prof. Dr. Kuruvila Joseph , Indian Institute of Space Science and Technology, India	Surface Engineered Nanosystems for Bio-Medical Applications	11.20-12.00
IL-17	Prof. Dr. Sasa Lazovic , University of Belgrade, Serbia	Biomedical applications of gas plasma and natural pigments	12.00-12.40
SIL-8	Dr. Pramod Avti , Postgraduate Institute of Medical Education and Research, India	Advanced nanomaterials as emerging tools for Biomedical Applications	12.40-13.00
	Lunch Break		13.00-13.45
	KSCSTE Presentation		13.45-14.00
Chairpersons: Prof. Dr. Darja Lisjak , Jožef Stefan Institute, Slovenia Prof. Dr. Ivan Zulim , University of Split, Croatia			
IL-18	Prof. Dr. Nandakumar Kalarikkal , Mahatma Gandhi University, India	Carbon Based Nanostructured Materials for Energy Applications	14.00-14.40
IL-19	Prof. Dr. E. S. Rajendran , Vinayaka Mission's University, India	Homeopathy - Nanopharmacology and a Personalized Nanomedicine - Nanoparticle Characterization Of Aurum Metallicum and Lycopodium 6c To Cm	14.40-15.20
	Tea break		15.20-15.30

	Concluding Remarks, Valedictory Function and Farewell Photo Session	15.30-16.00
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