VCAN 2020

International Virtual Conference on Advanced Nanomaterials & Applications

VIT Vellore Institute of Technology

With an Emphasis on Flexible Electronic Devices

June 17 - 19, 2020

Centre for Nanotechnology Research, Vellore Institute of Technology, Vellore, India

CNR

VCAN2020 SCHEDULE

Slots	Time (IST) GMT+5:30	17-06-2020 (Wednesday)	18-06-2020 (Thursday)	19-06-2020 (Friday)
		Speakers (Local time), affiliations, and Tites	Speakers (Local time), affiliations, and Tites	Speakers (Local time), affiliations, and Tites
Session 1				
S1	08:00 to 8:50 AM		**Dr. Andrew Wee (10:30 to 11:20 AM)** NUS, Singapore ***Ferromagnetic 2D Materials***	
S2	09:00 to 9:50		**Dr. Dipankar Das Sarma** Indian Institute of Science, Bangalore, India ***Nature and Origin of the metastable state in chemically exfoliated few-layer MoS_2***	**Dr. Manoj Gupta (11:30 to 12:20 PM)** NUS, Singapore ***Magnesium Based Nanocomposites in biomedical applications***
S3	10:00 to 10:35 AM	**Inauguration Ceremony** **Dr.Ashuthosh Sharma, Chief Guest** Secretary, Department of Science and Technology Government of India **Dr. G. Viswanathan** Chancellor, VIT	**Dr. Vedran Jovic (4:30 to 5:05 PM)** GNS Science, New Zealand ***Dirac nodal lines and flat-band surface state in the functional oxide RuO_2***	**Dr. Prashant Sonar (2:30 to 3:05 PM)** Queensland University of Technology, Australia ***Organic Transistors: Conjugated Material Design and Evaluation***
S4	10:45 to 11:20 AM		**Dr. Vivian Fang (5:15 to 5:50 PM)** GNS Science, National Isotope Centre, New Zealand ***Dry plasma synthesis of metal oxide nanostructures and their applications***	**Dr. Ankita Katre (10:45 to 11:20 AM)** DST-INSPIRE Faculty, Savitribai Phule Pune University, India ***Ab initio* modelling of the role of defects in thermal transport**
S5	11:30 to 12:05 PM	**Dr. Aaron Marshall (6:00 to 6:35 PM)** University of Canterbury, New Zealand ***Electrocatalytic conversion of CO_2 to fuels***	**Dr. Sow Chorng-Haur (2:00 to 2:35 PM)** NUS, Singapore ***The Little Laser That Could: Focused Laser Beam as a useful Tool for Nanomaterials Research***	**Dr. Siddhartha Panda** National Centre for Flexible Electronics, IIT Kanpur, India ***Enhanced Performance in Ion Selective Field Effect Transistors***
S6	12:15 to 12:50 PM	**Dr. Bablu Mukherjee (3:45 to 4:20 PM)** National Institute of Materials Science, Tsukuba, Ibaraki, Japan ***2D Materials and Vander Waals Heterostructure based Optoelectronic Devices***	**Dr. S. Angappane** Centre for Nano and Soft Matter Sciences, Bangalore, India ***Ultrafast Humidity Sensor made of TiO_2 Nanorods***	**Dr. Samrat S. Kumar** Country Representative, Euraxess India ***Research and Funding Opportunities under the EU's Horizon 2020 Programme***
S7	1:00 to 1:35 PM	**Dr.Hoe Tan (5:30 to 6:05 PM)** Australian National University, Australia ***Semiconductor Nanostructures for Optoelectronics and Energy Applications***		
Session 2				
S8	2:00 to 2:35 PM	**Dr. Suryanarayana J** IIT, Hyderabad, India ***Nano-ionics based RRAM devices - remote control and bio-sensing***	**Dr.Murali Banovath** Uniersity of Hyderabad, India ***Highly Efficient Bulk Heterojunction Solar Cells: Nanostructured Electron Transporting Layer and its Grain Alignment***	**RSC - Special Session** **Mr. Ershad Abubacker** Royal Chemistry India Pvt. Ltd., India ***Royal Society of Chemistry: Supporting Chemical Sciences in India***
S9	2:45 to 3:20 PM	**Dr.Xavier Crispin (11:15 to 11:50 AM)** Linkoping University, Sweden ***Thermoelectric polymers based sensors***	**Dr. Sagar M. Jain (10:15 to 10:50 AM)** Cranfield University, UK ***The emergence and future of perovskite solar cells, Interface engineering and non-toxic aspect***	**Dr.Pratap Kollu** University of Hyderabad, India ***Recent advances in flexible magnetic sensors and their applications***
S10	3:30 to 4:05 PM	**Dr. Sudhagar Pitchaimuthu (11:00 to 11:35 AM)** Swansea University, UK ***Solar-to-Hydrogen- Opportunities and Challenges***	**Dr. Sri Saran Venkatachalam (12:00 to 12:35 PM)** University of Lille, France ***Towards bridging the Terahertz Gap using Carbon-based Materials***	**Dr. Weiping Wu (11:00 to 11:35 AM)** University of London, United Kingdom ***Printable functional materials for electronics, photonics and energy applications***
S11	4:15 to 5:05 PM	**Dr. Prashant V. Kamat (6:45 to 7:35 AM)** University of Notre Dame, USA ***Semiconductor Nanostructures for Next Generation***	**Dr.Andre Konstantin Geim (11:45 to12:35 PM)** (Noble Laurette 2010), University of Manchester, UK ***2D Empty Space and its Unusual Properties***	**Dr.Sebastian Lourdudoss (12:45 to 1:35 PM)** KTH-Royal Institute of Technology, Sweden ***Advanced Photonic Devices Enabled by Hydride Vapour Phase Epitaxy***
Session 3				
S12	5:15 to 5:50 PM	**Dr.Jiefang Zhu (1:45 to 2:20 PM)** Uppsala University, Sweden ***Operando XRD used in the study of metal-oxygen batteries***	**Dr. Nanasaheb D. Thorat (1:45 to 2:20 PM)** Wroclaw University of Science and Technology, Poland ***Magnetic and Light active drug delivery and cancer therapeutics using a functional hybrid nanoplatforms***	**Dr. Genene Tessema Mola (1:45 to 2:20 PM)** University of KwaZulu-Natal, South Africa ***Flexible electronic device for energy***
S13	6:00 to 6:35 PM	**Dr.Gomaa A.M. Ali (2:30 to 3:05 PM)** Al–Azhar University, Assiut, Egypt ***Nanomaterials for Energy Storage (Supercapacitors) applications***	**Dr. Ajay Kumar Mishra (2:30 to 3:05 PM)** University of South Africa, South Africa ***Smart composite materials for environmental sustainability***	**Dr.Paulo Cesar Piquini (9:30 to 10:05 AM)** Federal University of Santa Maria, Brazil ***Photophysical and photochemical properties of selected tetrapyrrolic macrocycles***
S14	6:45 to 7:20 PM	**Dr.MANGALARAJA Ramalinga Viswanathan (9:15 to 9:50 AM)** University of Concepcion, CHILE ***Nanostructured Materials: Potential Applications to Energy and Environment***	**Dr. Muthu Packirisamy (8.15 to 8:50 AM)** Concordia University,Canada ***Nanomaterials for Nanophotonics and Plasmonicss***	**Young Researcher Session** **Mr. Jonathan Bloor (2:15 to 2:50 PM)** University of Plymouth, UK ***Aerogels for Water Filtrations***
S15	7:30 to 8:05 PM	**Dr.Jia Deng (10:00 to 10:35 AM)** Binghamton University – State University of New York, USA ***Vibration and Heat Assisted Atomic Force Microscope Based Nanomachining***	**Dr. Hitesh Vora (9:00 to 9:35 AM)** Okhalama University, USA ***3D Printed PLA-Stainless Steel Polymeric Composite for Biomedical Applications: A Novel Cost-effective Design of Experiments Methodologies***	**Young Researcher Session** **Ms. Jagrithi Sethi ((3:00 to 3:35 PM)** University of Plymouth, UK ***A dual-layer graphene and reduced graphene oxide based electrochemical biosensor for label-free detection of beta-amyloid biomarkers***
S16	8:15 to 9:15 PM	**Dr. Arunachala Mada Kannan (7:45 to 8:20 AM)** Arizona State University, USA ***Solid Electrolyte for Li-Ion Batteries***	**Dr. Yury Gogotsi (10:45 to 11:35 AM)** Drexel University, USA ***Mxenes for Werable Technology***	**Young Researcher Session** **Dr. Narendra Kurra (10:45 to 11:20 AM)** Drexel University, USA ***Two-dimensional transition metal carbides (MXenes) for Electrochemical Energy Storage***

Keynote lectures

Special and Plenary Lectures

Young Reearcher Lectures