

ICONN-2021 PROGRAMME SCHEDULE (Virtual Conference)
February 1-3, 2021, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY (SRM IST), CHENNAI, INDIA

01-02-2021 Monday
(Login/Join at 08:30 AM IST)

Indian Standard Time	
09.00 –10:00	INAUGURAL FUNCTION
10:00-10:45	KEYNOTE LECTURE 1 Observation of room temperature polar Skyrmions Prof. Ramamoorthy Ramesh, University of California, Berkeley, CA [20:30 PST] 31st January 2021
10:45-11:30	KEYNOTE LECTURE 2 Recent progress in transparent oxide semiconductors, Prof. Hideo Hosono, Tokyo Institute of Technology, Japan [14:15 JST]
11:30-12:15	KEYNOTE LECTURE 3 Semiconductor Nanowires for Optoelectronics Applications, Prof. Chennupati Jagadish, The Australian National University, Canberra, Australia [17:00 AEDT]
12:15-13:00	KEYNOTE LECTURE 4 Spintronics Nanodevice - From SMALL to SMART - Prof. Hideo Ohno, Tohoku University, Japan [15:45 JST]
13.00 -13:10	Greetings by Prof. Yasuto Shirai, Shizuoka University, Japan [16:30 JST] and Dr. John V Kennedy, GNS Science, New Zealand [20:30 NZDT]
13.10 -13:35	BREAKE

Time (IST)	Session-1A	Session-1B	Session-1C	Session-1D	Session-1E	Session-1F	Session-1G
	Nanotribology	Sensors, actuators and NEMS/MEMS	ACCMS Symposium on Computational materials, methods and numerical techniques	Complex and Meta-Nanophotonics: Classical to Quantum	Low-dimensional and 2D materials, Surfaces, interfaces and thin films/ Nanocomposites and catalysts	Manipulation and characterization of materials at nanoscale/atomic scale	Molecular and Nanoelectronics
13:35-14:05	IL1 Rheology Meets Tribology: Updated “Stribeck Curve” for the Lubrication between Smooth Surfaces Prof. Shinji YAMADA, Kao Corporation, Japan [17:05 JST]	13:35-14:05 IL3 Interdisciplinary research of organic transistors: microfluidics, molecular recognition chemistry, and chemical sensing Prof. Tsuyoshi Minami The University of Tokyo, Japan [17:05 JST]	13:35-14:10 TL01 Is Materials Informatics Useful to Predict New Useful Materials? Prof. Yoshiyuki Kawazoe, Tohoku University, Japan [17:05 JST]	13:35-14:10 TL02 Artificial muscles and smart photonic materials Prof. Diederik Wiersma, LENS, University of Florence, Italy[09.05 JST]	13:35-14:05 IL7 Cross sectional AFM analysis of thin films Prof. Naonori Sakamoto, Shizuoka University, Japan[17:05 JST]	13:35-14:05 IL9 High Resolution Imaging of Ion-Distribution with Electron Beam Excitation Prof. Yoshimasa Kawata, Shizuoka University Japan [17:05 JST]	13:35-14:05 IL10 Band-to-Band Tunneling in Highly-Doped Silicon-on-Insulator Nanoscale Esaki Diodes Prof. Daniel Moraru Shizuoka University, Japan [17:05 JST]
14:05-14:35	IL2 Resistive Switching, Photoabsorption and DNA Biocompatibility for Ion irradiated TiO2 (110) Prof. Shikha Varma Institute of Physics, Bhubaneswar India	14:05-14:35 IL4 Preparation and property of thin film gas sensor for combustive gases Prof. Naoki Wakiya Shizuoka University, Japan[17:35 JST]	14:10-14:40 IL5 Nano-defects formed under neutron irradiation in fusion reactors: First-principles based modelling and experimental validation Prof. Nyugen-Manh Duc, Culham Centre for Fusion Energy, United Kingdom [08.40 JST]	14:10-14:40 IL6 Plug-and-play and scalable single-photon sources based on quantum dots Dr. Leonardo Midolo, Niels Bohr Institute, Copenhagen, Denmark [09:40 JST]	14:05-14:35 IL8 Property control of 2D layered nanostructures via tailoring of its orientation and composition Dr. Ivan Merenkov, Skoltech, Novosibirsk, Russia [11:35 (MSK)]	14:05-14:40 TL03 2D materials and composites for wastewater treatment and recycling of batteries Prof. Satheesh Krishnamurthy, The Open University, UK [8:35 GMT]	14:05-14:35 IL11 Printed Flexible Electronics and Potential Applications Dr. Yi-Fei Wang, Yamagata University Japan [17:35 JST]
14:35-15:05	CL 1-CL3 (Abstr. No. (252, 604, 1044)	14:35-15:05 CL 4-CL6 Abstr. No. (31, 285, 356)	14:40-15:10 CL 7-CL9 Abstr. No. (480 & 602)	14:40-15:10 CL10-CL12 Abstr. No. (431, 451, 114)	14:35-15:05 CL13- CL15 Abstr. No. (18, 41, 89)	14:40-15:10 CL16-CL18 Abstr. No. (34, 47, 1120)	14:35-15:05 CL19-CL21 Abstr. No. (142, 633, 1190)
15:10-15:55	KEYNOTE LECTURE 5 Versatility of metallic phases of 2D transition metal dichalcogenides (TMDs), Prof. Manish Chhowalla, University of Cambridge, UK [9:40 GMT]						
15:55-16:40	KEYNOTE LECTURE 6 Functional device design with layered van der Waals heterostructures, Prof. Arindam Ghosh, Indian Institute of Science, Bangalore, India						
16:40-17:25	KEYNOTE LECTURE 7 Nano – Accelerate your Research with our AI-powered Nature Research Solution, Dr. Pranoti Kshirsagar, Database Group, Nanoscience & Technology, Springer Nature, Heidelberg, Germany [12:10 CET]						

Time (IST)	Session-2A	Session-2B	Session-2C	Session-2D	Session-2E	Session-2F	Session-2G
	Nanobiotechnology, nanotoxicology and nanomedicine	Sensors, actuators and NEMS/MEMS	ACCMS Symposium on Computational materials, methods and numerical techniques	Complex and Meta-Nanophotonics: Classical to Quantum	Manipulation and characterization of materials at nanoscale/atomic scale, Environmental nanotechnology	Nanotechnology for energy harnessing, transport and storage	Molecular and Nanoelectronics/ Industrial nanotechnology
17:30-18.00	CL22-CL24 Abstr. No. (861, 242, 729)	17:30-18.00 IL13 Graphene based Electronic and Sensor Devices – Applications and Manufacturing Prof. Daniel Neumaier, Wuppertal, Germany [13:00 CET]	17:30-18.00 IL14 Probing Potential Energy Surfaces of Molecular Systems via Vibrational Spectroscopy Dr. Jer-Lai Kuo Institute of Atomic and Molecular Science, Academia Sinica, Taiwan [20:00 CST]	17:30-18.00 IL15 Unscrambling Entanglement through a Complex Medium Dr. Mehul Malik, Heriot Watt University, Edinburgh, UK [12:00 GMT]	17:30-18.00 CL34-CL36 Abstr. No. (1216, 1361, 1413)	17:30-18.00 IL17 Spray Drying of Phosphate based Cathode Materials for Na-ion and K-ion Batteries with Advanced Electrochemical Performance Dr. Abdelfattah Mahmoud , The University of Liège, Belgium [13:00 CET]	17:30-18.00 IL18 Print-in-place electronics using mixed-dimensional nanomaterials Prof. Aaron D. Franklin, Duke University, Durham, North Carolina, USA [7:00 EST]
18:00-18.30	IL12 Is the biological nutrient cycle possible for electronics? Prof. Clara Santato, University of Montréal, Canada [7:30 EST]	18:00-18.30 CL25-CL27 Abstr. No. (377, 507, 896)	18:00-18.30 CL28-CL30 Abstr. No. (774, 251, 836)	18:00-18.30 CL31-CL33 Abstr. No. (344, 625, 1221)	18:00-18.30 IL16 Materials analysis and modifications at the micro-nano scale using energetic ion beams Dr. Bibhudutta Rout University of North Texas, Denton, USA [06:30 CST]	18:00-18.30 CL37-CL39 Abstr. No. (26, 49, 90)	18:00-18.30 CL40-CL42 Abstr. No. (1338, 1348, 1356)

POSTER SESSION –Day- I (01-02-2021)			
For Poster Presentation and Interaction please join the SLACK workspace through the invitation link sent to your E mail ID registered with ICONN2021 as per the poster session timings			
CP1-CP1200			
13:30 -15:00	Postertrack1-ICONN21 CP1-CP200	Postertrack2-ICONN21 CP201-CP400	Postertrack3-ICONN21 CP401-CP600
17:30 - 19:00	Postertrack4-ICONN21 CP601-CP800	Postertrack5-ICONN21 CP801-CP1000	Postertrack6-ICONN21 CP1001-CP1200

KL: KENOTE LECTURE (45 MIN); TL: THEME LECTURE (35 MIN); IL: INVITED LECTURE; CL: CONTRIBUTORY LECTURE (10 MIN); CP: CONTRIBUTORY POSTER

IRAP: Innovation Research Award Presentation; YRAP: Young Researcher Award Presentation, WRAP: Woman Researcher Award Presentation

ICONN-2021 PROGRAMME SCHEDULE (DAY-2)
02-02-2021 Tuesday (Login/Join at 08:10 AM IST)

08:30-9:15	KEYNOTE LECTURE 8 Combinatorial Experimentation and Machine Learning for Materials Discovery, Prof. Ichiro Takeuchi, University of Maryland, USA [22:00 EST] 1st Feb 2021													
9:15-10:00	KEYNOTE LECTURE 9 Metaphotonics and Metasurfaces, Prof. Yuri Kivshar, Australian National University, Canberra, Australia [14:45 AEDT]													
10:00-10:45	KEYNOTE LECTURE 10 Liquid metal for catalysis and CO2 conversion, Prof. Kourosh Kalantar-zadeh, University of New South Wales (UNSW), Sydney, Australia [15:30 AEDT]													
10:45-10:55	Greetings by Prof. Kiyoshi Ishii, Shizuoka University, Japan [14:15 JST] and Prof. Suresh Bhargava, RMIT, Melbourne VIC, Australia [16:15 AEDT]													
Time (IST)	Session-3A		Session-3B		Session-3C		Session-3D		Session-3E		Session-3F		Session-3G	
	Nanostructured solar cells and thermoelectrics, Sensors, actuators and NEMS/MEMS		Manipulation and characterization of materials at nanoscale/atomic scale, Nanobiotechnology, nanotoxicology and nanomedicine		ACCMS Symposium on Computational materials, methods and numerical techniques		Complex and Meta-Nanophotonics: Classical to Quantum		Nanocomposites and catalysts, Molecular and Nanoelectronics/ Environmental nanotechnology		Industrial nanotechnology: products and commercialization		Surfaces, interfaces and thin films , Low-dimensional and 2D materials	
10:55-11:30	TL04 Defects mediated high Seebeck coefficient and power factor in transparent thermoelectric thin films Dr John V Kennedy, GNS Science, Lower Hutt, New Zealand [18:25 NZDT]		IL21 Establishment of steroid binding assay for membrane progesterone receptor alpha (PAQR7) by using graphene quantum dots (GQDs) Md. Maisum Sarwar Jyoti, Shizuoka University, Japan [14:25 JST]		TL05 Recent Development on 2D MatPedia: 2D Alloys Prof. Yuan Ping Feng National University of Singapore, Singapore[13:25 SGT]		TL06 Anderson localization of light in two-dimensional disordered photonic crystals Prof. Sushil Mujumdar, TIFR, Mumbai		TL07 Synthesis and characterization of nanocomposites and their photocatalytic activity Prof. Yasuhiro Hayakawa, Shizuoka University, Japan [14:25 JST]		IL27 Research Promotion and Social Contribution through Industry-Academia Cooperation Activities Prof. Masakazu Kimura, Shizuoka University, Japan [14:25 JST]		10:55-11:25 IL29 Chemical vapor deposition of hexagonal boron nitride thin films on a Si substrate Prof. Kazuhiko Hara, Shizuoka University, Japan [14:25 JST]	
11:30-12:00	IL19 Application of Nanoscience-fused Nanotechnology on Infectious Virus Detection Prof. Enoch Y.Park, Shizuoka University, Japan[15:00 JST]		IL22 Photon-Charge counting type X-ray imager Prof. Toru Aoki Shizuoka University, Japan [14:55 JST]		IL24 Theoretical Analysis of Oxygen Transport in Doped Ceria: Effect of Vacancy Trapping Prof. Kwang Ryeol Lee KIST, South Korea[15:00 KST]		IL25 Epitaxial Graphene Coated Silicon Carbide Nanowires for Mid Infrared Nanophotonics Dr. Arti Agarwal University of Technology , Sydney, Australia [17:00 AEDT]		IL26 Stretchable oxide thin film based electronic and optical devices Dr. Madhu Bhaskaran, RMIT University, Melbourne, Australia[17:00 AEDT]		IL28 X-ray Generation Using Pyroelectric Crystals Excited by Laser Light Prof. Hidenori Mimura, Shizuoka University, Japan [14:55 JST]		11:25-11:55 IL30 Formation and Characterization of Polycrystalline SiGeSn Yosuke Shimura Shizuoka University, Japan [14:55 JST]	
12:00-12:30	IL20 All solid Thin Film Batteries: Perspective, Issues and Challenges Dr. K. Kamala Bharathi, SRM IST, Chennai, India		IL23 Detection of Viral RNA by Fluorometric Nanoprobe with DSN Enzyme Assistance Prof. Ankan Dutta Chowdhury, Shizuoka University, Japan [15:25 JST]		CL43—CL45 Abstr. No. (773, 959, 974)		CL46—CL48 Abstr. No. (1462, 1936, 2329)		CL49—CL51 Abstr. No. (1106, 1189, 1201)		11:55-12:25 CL52—CL54 Abstr. No. (17* & 158) *YRAP2		11:55-12:25 CL55—CL57 Abstr. No. (116, 171, 213)	
12:30-13:15	KEYNOTE LECTURE 11 Development of photocatalysts and solar hydrogen production system for a large scale application, Prof. Kazunari Domen, University of Tokyo, Japan [16:00 JST]													
13:15-13:25	Greetings by Prof. Corrado Di Natale, University of Rome Tor Vergata, Rome, Italy [08:45 CET] and Prof. Edward Yi Chang, National Chiao Tung University, Taiwan [15:45 CST]													
13:25-13:45	BREAK													
13:45-14:30	KEYNOTE LECTURE 12 Large-size nanoelectronics for The Internet of Everything, Prof. Thomas Anthopoulos, KAUST, Saudi Arabia [11:15 AST]													
14:00–16:30	“SEEDING NANOSCIENCE IN YOUNG MINDS: LIVE INTERACTION WITH NANOSCIENTISTS” – An Exclusive Program for a selective group of YOUNG STUDENTS (age group between 14-19) (Hosted by SRM-ICONN 2021 and Co-hosted by Indian Science Congress Association (ISCA) – Chennai Chapter in celebration of Department of Science and Technology (DST), Govt. of India’s Golden Jubilee Year (2021)) 14:00-14:10 – About the Program – Dr. Kiran Mangalampalli, Department of Physics and Nanotechnology, SRMIST, Kattankulathur, Chennai Welcome Note - Prof. Kashmir Raja, Convener, ISCA Chennai Chapter 14:10-14:15 – Presidential Address- Dr. (Mrs.) Vijay Laxmi Saxena, General President 2020-2021, Indian Science Congress Association, Kolkata 14:15-14:35 – Inaugural Address - Prof. B. S. Murthy, Director, IIT Hyderabad, India 14:35-16:20 – Young students’ interaction with Scientists begins. Prof. Chennupati Jagadish AC, The Australian National University, Canberra, Australia Prof. Radha Boya, The University of Manchester, UK ‘Nano’ in Cosmetics Industry: Prof. Shinji YAMADA, Kao Corporation, Japan 16:20- 16:25 ISCA-Chennai Chapter sponsored ICONN 2021 Best Young Students Awards Announcement 16:25-16: 30 Votes of thanks by Dr. A. Alagiriswamy, Treasurer, ISCA Chennai Chapter													
14:30-15:15	KEYNOTE LECTURE 13 Nanostructured Thermoelectric Energy Conversion, Prof. Kanishka Biswas, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India													
15:15-16:00	KEYNOTE LECTURE 14 Ultrafast spin transfer in layered magnetic heterostructures, Prof. Wolfgang Kuch, Fachbereich Physik, Institut für Experimentalphysik, Berlin, Germany [10:45 CET]													
16:00-16:45	KEYNOTE LECTURE 15 Local Excitons in Si/Ge Inverted Quantum Huts (IQHs) embedded Si, Prof. Kalobaran Maiti, TIFR, India													
	Session-4A		Session-4B		Session-4C		Session-4D		Session-4E		Session-4F		Session-4G	
	Surfaces, interfaces and thin films		Sensors, actuators and NEMS/MEMS		ACCMS Symposium on Computational materials, methods and numerical techniques		Complex and Meta-Nanophotonics: Classical to Quantum		Nanobiotechnology, nanotoxicology and nanomedicine		Nanostructured solar cells and thermoelectrics		Nanotechnology for energy harnessing, transport and storage	

16:50-17:20	IL31 Optical characterization of nanomaterials and interface processes Prof. Peter PETRIK, Hungarian Academy of Sciences, Hungary [12:20 CET]	16:50-17:20	IL32 Porphyrins Through the Looking Glass: The Long Track for the Development of Chiral Sensors Prof. Roberto Paolesse, University of Rome Tor Vergata Rome, Italy [12:20 CET]	16:50-17:20	IL33 ML Assisted Discovery of Novel Materials with Targeted Properties Prof. Abhishek K. Singh IISc Bangalore, India	16:50-17:20	IL34 Scattering of spatially entangled photons Dr. Yaron Bromberg, The Hebrew University of Jerusalem, Israel [13:20 IST]	16:50-17:20	IL35 Multifunctional Nanostructured Bioactive Materials based composites Towards Biomedical Applications Prof. S.Balakumar, University of Madras, Chennai, India	16:50-17:20	YRAP1 (IL36) Layered thermoelectric materials and devices Dr. M. Navaneethan SRM IST, Chennai, India	16:50-17:20	IL37 X-ray imaging using room temperature semiconductor detectors by charge counting method Dr. Katsuyuki Takagi, Shizuoka University, Japan [20:20 JST]
17:20-17:50	CL58-CL60 Abstr. No. (226, 385, 404)	17:20-17:50	CL61-CL63 Abstr. No. (927, 1126, 1127)	17:20-17:50	CL64-CL66 Abstr. No. (992, 1093, 1281)	17:20-17:50	CL67-CL69 Abstr. No. (2329, 2230, 2331)	17:20-17:50	CL70-CL72 Abstr. No. (1013, 1118, 1273)	17:20-17:50	CL73-CL75 Abstr. No. (1029, 1032, 1234)	17:20-17:50	CL76-CL78 Abstr. No. (225, 275, 322)
Session-5A		Session-5B		Session-5C		Session-5D		Session-5E		Session-5F		Session-5G	
Low-dimensional and 2D materials, Surfaces, interfaces and thin films		Sensors, actuators and NEMS/MEMS		Nanocomposites and catalysts/ Environmental nanotechnology		Complex and Meta-Nanophotonics: Classical to Quantum		Nanobiotechnology, nanotoxicology and nanomedicine		Manipulation and characterization of materials at nanoscale/atomic scale		Industrial nanotechnology: products and commercialization, Nanocomposites and catalysts	
17:50-18:20	IL38 Two-dimensional voids and their unusual properties Prof. Radha Boya, The University of Manchester, UK [12:20 GMT]	17:50-18:25	TL08 Organic-Inorganic nano structured hybrid materials for gas sensors Prof. Corrado Di Natale University of Rome Tor Vergata, Rome, Italy [13:20 CET]	17:50-18:20	IL39 Materials Design by Molecular & Atomic Layer Deposition; Hybrid thin films as precursors for Photocatalytic Metal Oxides Prof. Roie Yerushalmi, The Hebrew University of Jerusalem, Israel [14:20 IST]	17:50-18:20	IL40 Photonics and Plasmonics assisted Nanospectroscopy Prof. Sandip Dhara, IGCAR, Kalpakkam, India	17:50-18:20	CL91-CL93 Abstr. No. (1414, 656, 613)	17:50-18:20	CL94-CL96 Abstr. No. (685, 761, 814)	17:50-18:20	CL97-CL99 Abstr. No. (819, 831, 952)
18:20-18:50	CL79-CL81 Abstr. No. (435, 438, 467)	18:25-18:55	CL82-CL84 Abstr. No. (1342, 1347, 355)	18:20-18:50	CL85-CL87 Abstr. No. (1207, 1245, 1332)	18:20-18:50	CL88-CL90 Abstr. No. (589, 1217, 1300)	18:20-18:50	IL41 Nanomaterials and Microscale Technologies to Engineer Muscle Tissues Dr. Samad Ahadian, Terasaki Institute for Biomedical Innovation, Los Angeles, California, USA [4:50 PST]	18:20-18:50	IL42 Measuring Material Damage with Stored Energy - Applications from Nuclear Reactors to Non-Proliferation Prof. Micheal Short, MIT, USA [7:50 EST]	18:20-18:50	IL43 Recent advances on Materials for Energy storage and Materials recovery Dr. M.V. Reddy Institute of Research Hydro-Québec, Canada [07:50 EST]
POSTER SESSION -DAY II (02-02-2021)													
For Poster Presentation and Interaction please join the SLACK workspace through the invitation link sent to your E mail ID registered with ICONN2021 as per the poster session timings													
CP1201-CP2200													
11:00-12:30	Postertrack7-ICONN21 (CP1201-CP1400)			Postertrack8-ICONN21 (CP1401-CP1600)				Postertrack9-ICONN21 (CP1601-CP1800)					
17:00-18:30	Postertrack10-ICONN21 (CP1801-CP2000)			Postertrack11-ICONN21 (CP2001-CP2200)				---					

ICONN-2021 PROGRAMME SCHEDULE (DAY-3)
03-02-2021 Wednesday (Login/Join at 08:10 AM IST)

08:30-09:15	KEYNOTE LECTURE 16 Electronic Properties of 2D Carbide and Carbonitride MXenes, Prof. Yury Gogotsi, Drexel University, Philadelphia, USA[22.00 EST] 2nd Feb 2021																									
09:15-10:00	KEYNOTE LECTURE 17 Elucidating the Mechanisms for Atomic Layer Growth through In Situ Studies, Dr. Jeffrey W. Elam, Argonne National Laboratory, IL, USA [21:45 CST] 2nd Feb 2021																									
10:00-10:45	KEYNOTE LECTURE 18 Advanced Nanoporous Materials for Clean Energy Generation, Prof. Ajayan Vinu, The University of Newcastle, Callaghan, Australia [15:30 AEDT]																									
	Session-6A			Session-6B			Session-6C			Session-6D			Session-6E			Session-6F			Session-6G							
	Nanocomposites and catalysts, Nanobiotechnology, nanotoxicology and nanomedicine			Nanostructured solar cells and thermoelectrics			Molecular and Nanoelectronics			Nanotechnology for energy harnessing, transport and storage			Sensors, actuators and NEMS/MEMS			Manipulation and characterization of materials at nanoscale/atomic scale			Surfaces, interfaces and thin films, Low-dimensional and 2D materials							
10:50-11:20	IL44 Dirac nodal lines and the flat band surface state in the functional oxide RuO ₂ Dr. Vedran Jovic National Isotope Center GNS Science, New Zealand [18:20 NZDT]			10:50-11:25	TL09 Electron-Phonon Interaction Observed in Thermoelectric Properties of Si Micro/Nanowires Prof. Hiroya Ikeda, Shizuoka University, Japan [14:20 JST]			10:50-11:20	IL48 Electron-electron scattering in silicon and its impact on future emerging devices Prof. Yukinori Ono Shizuoka University, Japan [14:20 JST]			10:50-11:20	IL49 A new approach of reduced graphene oxide with a porous structure by a microwave-assisted one-pot method for high capacitance supercapacitor Jiaojiao Ma, Shizuoka University, Japan[14:20 JST]			10:50-11:20	IL51 Thermal Characterization of Porous Silica by Micrometer-Size Resistance Thermometry Prof. Hiroshi Inokawa Shizuoka University, Japan [14:20 JST]			10:50-11:20	IL54 Charge pumping under electron spin resonance Prof. Masahiro Hori Shizuoka University, Japan [14:20 JST]			10:50-11:20 IL56 Synthesis of β -FeSi ₂ , MnSi _{1.7} and Mg ₂ Si nano/micro-structures by Reactive Deposition Process Prof. Hirokazu Tatsuoka Shizuoka University, Japan [14:20 JST]		
11:20-11:50	IL45 Probabilistic machine learning for predicting cytotoxicity of TiO ₂ -(multi)metal (Ag, Pt, Au) nanoparticles Paul Rossener Regonia, Nara Institute of Science and Technology, Japan [14:50 JST]			11:25-11:55	IL47 Recent advances in the organic solar cells based on nonfullerene small molecule acceptors Prof. Ganesh D. Sharma, LNMIIT, Jaipur, India			11:20-11:55	TL10 Extremely High-Performance InGaAs FinFETs for Next-Generation CMOS Logic Applications Prof. Edward Yi Chang, National Chiao Tung University, Taiwan [13:50 CST]			11:20-11:50	IL50 Direct Solar Water Splitting for Low-Cost Hydrogen Production Dr. Siva Krishna Karuturi, Australian National University, Australia [16:50 AEDT]			11:20-11:50	IL52 Ultrasonically assisted tunable localized surface plasmon resonance and its multisensor Application Prof. Jun Kondoh, Shizuoka University, Japan [14:50 JST]			11:20-11:50	IL55 Atomic-scale structural analysis by X-ray fluorescence holography and photoelectron diffraction Prof. Masaru Shimomura, Shizuoka University, Japan [14:50 JST]			11:20-11:50 IL57 Development of double polarity selective area growth using MOVPE for fabrication of GaN QPM crystal Prof. Takayuki Nakano Shizuoka University, Japan [14:50 JST]		
11:50-12:20	IL46 Molybdenum-based quantum dots, nanocubes and integrated 2D nanostructures for virus detection Dr. Ojodomo J. Achadu, Shizuoka University, Japan [15:25 JST]			11:55-12:25	CL100-CL102 Abstr. No. (1382, 1390, 1480)			11:55-12:25	CL103-CL105 Abstr. No. (983, 1001, 1050)			11:50-12:20	CL106-CL108 Abstr. No. (332, 562, 655)			11:50-12:20	IL53 Electrocatalytic Water Oxidation Based Virus Sensing, Dr. Akhilesh Babu Ganganboina, Shizuoka University, Japan [15:25 JST]			11:50-12:20	CL109-CL111 Abstr. No. (338, 348, 482)			11:50-12:20 CL112-CL114 Abstr. No. (479, 496, 512)		
12:30-13:15	KEYNOTE LECTURE 19 Over-the-horizon van der Waals layered materials, Prof. Young Hee Lee, SUNGKYUNKWAN University, Suwon, 16419, Korea [16:00 KST]																									
13:15-13:45	BREAK																									
13:45-14:30	KEYNOTE LECTURE 20 Ferroelectricity at Ultimately Small Length Scales, Prof. Umesh V. Waghmare Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore																									
14:30-15:15	KEYNOTE LECTURE 21 Quantum Materials and Advances in Nanotechnology, Prof. M. S. Ramachandra Rao, IIT Madras, Chennai, India																									
15:15-16:00	KEYNOTE LECTURE 22 Building with bubbles. Is it the start of a New generation of Catalysts? Prof. Suresh Bhargava, RMIT University, Melbourne VIC, Australia[20:45 AEDT]																									
	Session-7A			Session-7B			Session-7C			Session-7D			Session-7E			Session-7F			Session-7G							
	Themes			Nanoscale modelling and applications			Nanostructured solar cells and thermoelectrics/ Nanocomposites and catalysts/ Environmental nanotechnology			Molecular and Nanoelectronics			Complex and Meta-Nanophotonics: Classical to Quantum/ Surfaces, interfaces and thin films			Sensors, actuators and NEMS/MEMS			Industrial nanotechnology: products and commercialization			Nanomagnetism and Spintronics				
16:00-16:30	IL58 Descriptors to Search Best Catalyst for OER/NRR using Quantum Mechanics/Machine Learning approach Prof. Ranjit Thapa SRM IST AP, INDIA			16:00-16:30	IRAP (IL59) Boosting thermoelectric performance of bulk thermoelectric materials through in-situ created nano-inclusions Dr. Ajay Singh, Bhabha Atomic Research Centre (BARC) Mumbai, India			16:00-16:30	IL60 Device Scaling for Novel Low-Dimensional Materials in High-Frequency Nanoelectronics Applications Dr. Abhay A. Sagade SRM IST, Chennai, India			16:00-16:30	IL61 Complex Nanophotonics for Authentication and Quantum Information Processing Prof. Pepijn Pinkse, University of Twente, Netherlands [11:30 CET]			16:00-16:30	IL62 Hierarchical Two Dimensional Nanostructures for Electrochemical and Biosensor Applications Prof. R. Jayavel, Anna University, Chennai, India			16:00-16:30	IL63 Self affine dendritic fractal architectures of ZnO for energy harvesting Dr. G. Mangamma, Indira Gandhi Centre for Atomic Research, Kalpakkam, India			16:00-16:30 IL64 Spin Hall Magnetoresistance in Antiferromagnetic Insulators. Dr. Matthias Opel, Walther Meissner Institute for Low Temperature Physics, Germany [11:30 CET]		
16:30-17:00	CL115-CL117 Abstr. No. (255, 1343, 1724*) *WRAP			16:30-17:00	CL118-CL120 Abstr. No. (1444, 1489, 2463*) *YRAP3			16:30-17:00	CL121-CL123 Abstr. No. (73, 180, 812)			16:30-17:00	CL124-CL126 Abstr. No. (1365, 1372, 1455)			16:30-17:00	CL127-CL129 Abstr. No.(417, 475, 590)			16:30-17:00	CL130-CL132 Abstr. No. (555, 932, 1277)			16:30-17:00 CL133-CL135 Abstr. No. (27, 485, 506)		
17:05-17:50	KEYNOTE LECTURE 23 Evolution of microstructure in magnetron sputtered nanocomposite thin films and its effect on mechanical behavior, Prof. Rahul Mitra, Indian Institute of Technology Kharagpur, India																									
17:50-18:35	KEYNOTE LECTURE 24 Ultra-low switching Energy Memories to artificial neurons, Prof. T. Venky Venkatesan, NUSNNI, National University of Singapore [7:20 EST]																									
18:35-19:05	AWARDS AND CONCLUDING SESSION																									

