

AFMD-2024 PROGRAM SCHEDULE (Day - 4)

29.02.2024 (THURSDAY)

Time (IST)	AFMD-2024 PROGRAM SCHEDULE (Day - 4)							
ROOM	TPGA Main Hall	TPGA Mini Hall - 1	TPGA Mini Hall - 2	SBE Prof. G. N. Ramachandran Hall				
	Parallel Session 10							
09.00-09.10	Chair: Prof. Benoit Piro, CNRS, France Co-chair: Dr. M. Alagiri, Physics, SRMIST, Chennai	Chair: Prof. Toru Aoki, Shizuoka University, Japan Co-chair: Dr. G. Bakyaraj, Physics, SRMIST, Chennai	Chair: Prof. Hiroya Ikeda, Shizuoka University, Japan Co-chair: Dr. R. Maheswaran, Physics, SRMIST, Chennai	Chair: Prof. Mohd Khairul Bin Ahmad, UTHM, Malaysia Co-chair: Dr. G. T. Senthil Andavan, Chemistry, SRMIST, Chennai				
	PL 09: Prof. Aziz Amine Hassan II University of Casablanca, Morocco Title: Recent advances in carbon nanomaterials-based electrochemical sensors and biosensors	PL 10: Prof. Kim Daasbjerg Aarhus University, Denmark Title: Use of manganese bipyridine complexes and single-atom catalysts in the electroreduction of carbon dioxide	PL 11: Prof. Mohamed Jouini CNRS, France Title: CO2 reduction on dye sensitized NiO photocathodes decorated with palladium nanoparticles	PL 12: Prof. Shahzada Ahmad University of Basque Country Science Park, Spain Title: Engineering the emerging semiconductors for thin-film photovoltaics				
ROOM	TPGA Mini Hall - 1	TPGA Mini Hall - 2	SBE 101	SBE 102	SBE 103	SBE 104	SBE 201	SBE 202
	Symposium A	Symposium B	Symposium C & M	Symposium D	Symposium E, J & I	Symposium F	Symposium G	Symposium H & K
	Parallel Session 11							
09.45 - 10.20	Chair: Prof. Yasuhiro Hayakawa, Shizuoka University, Japan Co-chair: Dr. Maduraveeran, Chemistry, SRMIST, KTR	Chair: Prof. R. Kothandaraman, IIT Madras, Chennai Co-chair: Dr. C. Siva, Physics, SRMIST, KTR	Chair: Dr. Chao-Wei Huang, National Cheng Kung University, Taiwan Co-chair: Dr. P.C. Karthika, Physics, SRMIST, KTR	Chair: Dr. Vibha Saxena, BARC, Mumbai Co-chair: Dr. R. Annie Sujatha, Physics, SRMIST, KTR	Chair: Dr. Naonori Sakamoto, Shizuoka University, Japan Co-chair: Dr. V. Kathirvel, Physics, SRMIST, KTR	Chair: Dr. T. S. Shyju, Sathyabama Institute of Science and Technology, Chennai Co-chair: Dr. Trilochan Sahoo, Physics, SRMIST, KTR	Chair: Prof. Muhammet S. Toprak, KTH Royal Institute of Technology, Stockholm, Sweden Co-chair: Dr. Gopirajan, Physics, SRMIST, KTR	Chair: Dr. Nurul Asyikeen Ab Mutalib, Universiti Malaya, Malaysia Co-chair: Dr. Venkatesh kumara mangalam, Chemistry, SRMIST, KTR
	KN 41: Prof. Sudakar Chandran Indian Institute of Technology, Madras Title: Sublattice distortion controlled electronic and optical properties of Cs ₂ B'B'X ₆ (B' = Ag, Na; B'' = Bi, In; X = Cl, Br) double perovskites	KN 42: Prof. Tomoya Ohno Kitami Institute of Technology, Japan Title: Control of the coating structure on a cathode particle for Li-ion battery	KN 43: Prof. Toru Aoki Shizuoka University, Japan Title: Single crystal diamond photon-counting X-ray imaging device	KN 44: Prof. Nobuyasu Adachi Nagoya Institute of Technology, Japan Title: Ferromagnetic properties of zinc and magnesium ferrite prepared by MOD technique	KN 45: Dr. Ch. Subrahmanyam Indian Institute of Technology, Hyderabad Title: Nonthermal plasma assisted CO2 conversion to value-added chemicals	KN 46: Prof. Taketomo Sato Hokkaido University, Sapporo, Japan Title: Photoelectrochemical etching of III-nitride semiconductors for nanostructure fabrication	KN 47: Prof. S. Balakumar University of Madras, Chennai Title: Producing nanostructured functional bioactive materials for advanced healthcare hemostats and tissue regenerative aids	KN 48: Prof. Kazushi Ikeda NAIST, Japan Title: Machine learning approaches to materials
10.20 - 10.50	IT 57: Dr. P. Koteswara Rao Peta University of Delhi, New Delhi Title: Growth and defects challenges of wide bandgap electronic materials: Applications	IT 58: Prof. Kenji Murakami Shizuoka University, Japan Title: Research on the Energy Conversion Devices: Focusing on Solar Cells and Mechanoluminescence	IT 59: Dr. Hiroki Kase Shizuoka University, Japan Title: Spatial representation of multi-energy 3D X-ray CT using mixed reality for nondestructive testing	IT 60: Dr. Assayidatul Laila Binti Nor Hairin International Islamic University, Malaysia Title: Upgraded recycling of cast-iron scrap chips towards Fe-based thermoelectric materials for waste-heat energy harvesting	IT 61: Dr. Srinivasan Anandan ARCI, Hyderabad Title: Indigenous materials for energy storage applications: From lab innovations to semi-pilot scale production	IT 62: Dr. Maneesh Chandran National Institute of Technology Calicut Title: Template assisted sol-gel synthesis of BiFeO ₃ hollow tubes	IT 63: Dr. E.V.A. Premalal University of Sri Jayewardenepura, Sri Lanka Title: Development of Chemical Vapor Deposition Technology for the Synthesis of Carbon Nanotube and Nanofiber Forest	IT 64: Dr. Shamima Hussain UGC-DAE CSR, Kalpakkam
10.50 - 11.05	Tea Break							
	Parallel Session 12							
11.05 - 11.35	Chair: Dr. P. Koteswara Rao, University of Delhi, New Delhi Co-Chair: Dr. Sandeep Roy, Mechanical, SRMIST, KTR	Chair: Dr. M. Sathish, Central Electrochemical Research Institute, Karaikudi Co-Chair: Dr. Meenal S. Deo, Physics, SRMIST, KTR	Chair: Dr. Suhana Binti Mohamed Sultan, Universiti Teknologi Malaysia, Malaysia Co-chair: Dr. Anbumuzhi Angayarkanni, Physics, SRMIST, KTR	Chair: Prof. Kazushi Ikeda, NAIST, Japan Co-chair: Dr. A. Tamil selvan, Physics, SRMIST, KTR	Chair: Dr. Ch. Subrahmanyam, Indian Institute of Technology, Hyderabad Co-chair: Dr. Angeline Little Flower, Physics, SRMIST, KTR	Chair: Dr. Taketomo Sato, Hokkaido University, Sapporo, Japan Co-chair: Dr. Shobana, Maths, SRMIST, KTR	Chair: Dr. E.V.A. Premalal, University of Sri Jayewardenepura, Sri Lanka Co-chair: Dr. Chandross, Automobiles, SRMIST, KTR	Chair: Dr. Maheswaran, Physics, SRMIST, KTR
	IT 65: Dr. Darius Gailevicius Vilnius University, Lithuanian Title: 3D printed phase retarders	IT 66: Dr. R. Ramesh Periyar University, Salem Title: Metal-organic framework derived 3D hierarchical metal oxides for high energy density supercapacitor application	IT 67: Prof. Hiroya Ikeda Shizuoka University, Japan Title: Wearable thermoelectric power generator for self-powered physiological sensor	IT 68: Dr. Shailesh Narain Sharma National Physical Laboratory, New Delhi Title: Nanotechnology advancements for sustainable energy: Addressing critical materials challenges	IT 69: Dr. Manjusha Battabyal ARCI, Chennai Title: Nanostructured antimonides for waste heat harvesting	IT 70: Dr. Ranu Bhat Bhabha Atomic Research Centre, Mumbai Title: Designing high efficiency Bi-Te thermoelectric power generators: challenges and approaches	IT 71: Dr. P. Prathap National Physical Laboratory, New Delhi Title: Atomic layer deposition of oxide layers for efficient passivation of silicon solar cell surface	IT 72: Dr. Biplab Sanyal Uppsala University, Sweden Title: Understanding of magnetism in 2D materials by first principles theory
11.35 - 11.55	Oral Presentation (OP 151 - OP 152)	Oral Presentation (OP 153 - OP 154)	Oral Presentation (OP 155 - OP 156)	Oral Presentation (OP 157 - OP 158)	Oral Presentation (OP 159 - OP 160)	Oral Presentation (OP 161 - OP 162)	Oral Presentation (OP 163 - OP 164)	Oral Presentation (OP 165 - OP 166)
11.55 - 12.55	Poster Presentation (PP 451 - PP 600)							
12.55-14.00	Lunch Break							
	Parallel Session 13							
14.00 - 14.35	Chair: Dr. Darius Gailevicius, Vilnius University, Lithuania Co-chair: Dr. R.M. Hariharan, Physics, SRMIST, KTR	Chair: Dr. R. Ramesh, Periyar University, Salem Co-chair: Dr. S. Mathimalar, Physics, SRMIST, KTR	Chair: Prof. Aziz Amine, Hassan II University of Casablanca, Morocco Co-chair: Dr. Shubojyothi Sinha, Physics, SRMIST, KTR	Chair: Dr. Mohd Faiz Bin Mohd Salleh, Universiti Malaya, Malaysia Co-chair: Dr. M. Kovendhan, Physics, SRMIST, KTR	Chair: Prof. Kim Daasbjerg, Aarhus University, Denmark Co-chair: Dr. Karthika, Physics, SRMIST, KTR	Chair: Prof. Shahzada Ahmad, University of Basque Country Science Park, Spain Co-chair: Dr. K. Santhi, Physics, SRMIST, KTR	Chair: Prof. S. Balakumar, University of Madras, Chennai Co-chair: Dr. Maduraveeran, Chemistry, SRMIST, KTR	Chair: Prof. Sulaiman Wadi Harun, Universiti Malaya, Malaysia Co-chair: Dr. Jaivardhan Sinha, Physics, SRMIST, KTR
	KN 49: Prof. Daniel Moraru Shizuoka University, Japan Title: Quantum Tunneling Functionalities based on Silicon Nanomaterials and Nanodevices	KN 50: Prof. Kunio Hayakawa Shizuoka University, Japan Title: Electro-thermo-mechanical finite element analysis on SPS sintering process of zirconia part	KN 51: Prof. Jun Kondoh Shizuoka University, Japan Title: Finite element analysis of surface acoustic wave on 36YX-LiTaO ₃ /36Y90X-quartz structure for sensor application	KN 52: Prof. P.N. Santhosh Indian Institute of Technology, Madras, Title: Competing magnetic interactions and exchange bias behaviour in complex oxides materials	KN 53: Prof. Yueh-Heng Li National Cheng Kung University, Taiwan Title: Iron particles: Applications in aerospace and energy industries	KN 54: Dr. Hiromu Hamasaki Osaka University, Japan Title: Electrical conductivity and Seebeck coefficient of a single contact between carbon nanotubes	KN 55: Dr. Naonori Sakamoto Shizuoka University, Japan Title: Control of encapsulated chemical species into cage-structured crystal 15CoO-7Al ₂ O ₃	KN 56: Prof. Yuichi Sakumura NARA Institute of Science and Technology, Japan Title: Derivation of nonlinear dynamics of silicon structure under indium adsorption
14.35 - 15.05	IT 73: Prof. Yasuhiro Hayakawa Shizuoka University, Japan Title: Effect of gravity on the growth of InGaSb alloy semiconductor crystals	IT 74: Technical Talk	IT 75: Dr. Riyaz Ahmad Mohamed Ali Universiti Tun Hussein Onn Malaysia, Malaysia Title: Nanoplasmonic micro-structured chip for single cell sensing application	IT 76: Technical talk	IT 77: Prof. S. Anandan National Institute of Technology, Trichirappalli Title: Current scenario of dye-sensitized solar cells - modifications and large-scale production	IT 78: Prof. Te-Wei Chiu National Tsinghua University of Technology, Taiwan Title: Synthesis and versatile applications of Cu-based delafossite compounds	IT 79: Technical talk	IT 80: Dr. Nasrul Anuar Bin Abd Razak Universiti Malaya, Malaysia Title: Recycling of polyethylene terephthalate wastes for prosthetic applications
15.05-16.00	Closing Ceremony							
16.00-16.20	High Tea							
	Note : PL - Plenary Talk; KN - Keynote; IT: Invited Talk; TT-Technical Talk							
	TPGA - Dr. T. P. Ganesan Auditorium Mini Hall; SBE - School of Bio-Engineering Building							