

**February 26-29, 2024**

Time (IST)	AFMD-2024 PROGRAM SCHEDULE (Day - 3)							
	28.02.2024 (WEDNESDAY)							
ROOM	TPGA Main Hall	TPGA Mini Hall - 1	TPGA Mini Hall - 2		SBE Prof. G. N. Ramachandran Hall			
<b>Paraell Session 7</b>								
09.00-09.40	<b>Chair:</b> Prof. Mohamed Chehimi, CNRS, France <b>Co-chair:</b> Dr. Jaivardhan Sinha, Physics, SRMIST, KTR		<b>Chair:</b> Prof. Naoki Wakiya, Shizuoka University, Japan, <b>Co-chair:</b> Dr. G. Maduraiveeran, Chemistry, SRMIST, KTR		<b>Chair:</b> Dr. Takafumi Ishibe Osaka University, Japan, <b>Co-chair:</b> Dr. Elangovan Elamurugu, Physics, SRMIST, KTR		<b>Chair:</b> Prof. C. Clark Kendrick, Ateneo de Manila University, Philippines <b>Co-chair:</b> Dr. V. Kumaran, Chemistry, SRMIST, KTR	
	<b>PL 05: Dr. D. K. Aswal</b> Bhabha Atomic Research Centre, Mumbai <b>Title:</b> Utilization of uranium mill tailings for construction materials: A pathway for sustainable uranium mining and milling		<b>PL 06: Prof. Benoit Piro</b> CNRS, France, <b>Title:</b> Printed electronics in sensors and medical devices		<b>PL 07: Prof. Dr.-Ing. Olfa Kanoun</b> Technische Universität Chemnitz, Germany <b>Title:</b> Potential of electrode surface modification by nanomaterials for sensors with high performance		<b>PL 08: Prof. Guillaume Maurin</b> University of Montpellier, France <b>Title:</b> Computational-aided development of MOF-based membranes for molecular separation	
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
<b>Paraell Session 8</b>								
09.45 - 10.20	<b>Chair:</b> Dr. Catur Apriono, Universitas Indonesia, Indonesia <b>Co-chair:</b> Dr. C. Prefrencial Kala, Physics, SRMIST, KTR		<b>Chair:</b> Prof. Kumio Hayakawa, Shizuoka University, Japan <b>Co-chair:</b> Dr. R. Maheswaran, Physics, SRMIST, KTR		<b>Chair:</b> Dr. Najla Fourati, SATIE Laboratory, UMR CNRS, France <b>Co-chair:</b> Dr. G. T. Senthil Andavan, Physics, SRMIST, KTR		<b>Chair:</b> Prof. P.N. Santhosh, IIT Madras, Chennai <b>Co-chair:</b> Dr. T. Maivalagan, Chemistry, SRMIST, KTR	
	<b>Chair:</b> Dr. Hiromu Hamasaki Osaka University, Japan <b>Co-chair:</b> Dr. AVM Manikandan, ECE, SRMIST, KTR		<b>Chair:</b> Dr. Bruce (Jun-Yu) Ou, University of Southampton, UK <b>Co-chair:</b> Dr. Piyush Sharma, Mechanical, SRMIST, KTR		<b>Chair:</b> Dr. Ionut Topala, Alexandru Ioan Cuza University of Iasi, Romania <b>Co-chair:</b> Dr. J. Chandra dass, Automobile, SRMIST, KTR		<b>Chair:</b> Dr. T.J. Dhilip Kumar Indian Institute of Technology, Ropar, <b>Co-chair:</b> Dr. M. Prakash, Chemistry, SRMIST, KTR	
10.20 - 10.50	<b>KN 33: Prof. Sebastian Lourduoss</b> KTH Royal Institute of Technology, Sweden <b>Title:</b> Light emitting diodes and semiconductor lasers		<b>KN 34: Prof. C Retna Raj</b> Indian Institute of Technology, Kharagpur <b>Title:</b> Aqueous rechargeable Zn batteries: anode and cathode engineering		<b>KN 35: Prof. Madhu Bhaskaran</b> RMIT University, Australia <b>Title:</b> Wearables sensors for health care and aged care		<b>KN 36: Prof. Palani Iyamperumal Anand</b> Indian Institute of Technology, Indore <b>Title:</b> A novel thin film based micro-3D printer for printing microscale structures for MEMS applications	
	<b>KN 37: Dr. Ajay Singh</b> Bhabha Atomic Research Centre, Mumbai <b>Title:</b> Defect and interface engineering to realize high performance thermoelectric materials and power generators		<b>KN 38: Dr. Takafumi Ishibe</b> Osaka University, Japan <b>Title:</b> Simultaneous control of carrier and phonon transports in nanostructured thermoelectric films with the controlled interfaces		<b>KN 39: Prof. S. Sindhu</b> Birla Institute of Technology and Science, Pilani <b>Title:</b> Advancing green technology exploring polymer based electrochromic windows to sustainable energy efficiency		<b>KN 40: Prof. Katarzyna Krukiewicz</b> Silesian University of Technology, Poland <b>Title:</b> Modulating cell-surface interactions through electroactive materials	
10.50 - 11.05	<b>IT 41: Dr. Tomy Abuzairi</b> Universitas Indonesia, Indonesia <b>Title:</b> Flash joules heating methods with high voltage capacitor for lab-scale graphene		<b>IT 42: Dr. Vanchiappan Aravindan</b> IISER, Tirupati <b>Title:</b> Li-ion capacitors and recycling Li-ion batteries		<b>IT 43: Dr. Yuta Kubota</b> Tokyo Institute of Technology, Japan <b>Title:</b> Fabrication of CeO <sub>2</sub> and Cu <sub>2</sub> O films for humidity and bending sensors by using solution processes based on thermochemical calculations		<b>IT 44: Dr. Tetsuo Oikawa</b> JEOL, Japan <b>Title:</b> Electron Microscopy	
	<b>IT 45: Prof. Nji Raden Poespawati</b> Universitas Indonesia, Indonesia <b>Title:</b> Effect of carbon electrode annealing temperature on perovskite solar cells		<b>IT 46: Dr.-Ing. Vincent</b> Linseis Messgeräte GmbH <b>Title:</b> Thermoelectric Metrology: A Comprehensive Review from a Manufacturer's Perspective		<b>IT 47: Dr. D. Durgalakshmi</b> Anna University, Chennai <b>Title:</b> Functional nanomaterials for theranostic applications		<b>IT 48: Dr. Mahesh Kumar Ravva</b> SRM University-AP, Amaravati <b>Title:</b> Computational insights into metal corrole complexes as single atoms catalysts for electrochemical hydrogen evolution reactions	
<b>Tea Break</b>								
<b>Paraell Session 9</b>								
11.05 - 11.35	<b>Chair:</b> Prof. P. Rajamalli Indian Institute of Science, Bangalore <b>Co-chair:</b> Dr. A. Geetha, Physics, SRMIST, KTR		<b>Chair:</b> Dr. Soorathep Kheawhom Chulalongkorn University, Thailand <b>Co-chair:</b> Dr. K. Shadak Alee, Physics, SRMIST, KTR		<b>Chair:</b> Prof. Madhu Bhaskaran RMIT University, Australia <b>Co-chair:</b> Dr. Meenal S Deo, Physics, SRMIST, KTR		<b>Chair:</b> Dr. Baskar Bhera, SRMIST, Chennai <b>Co-chair:</b> Dr. T. Vijayakumar, Physics, SRMIST, KTR	
	<b>Chair:</b> Dr. Assayidatul Laila Binti Nor Hairin, International Islamic University, Malaysia <b>Co-chair:</b> Dr. R. Annie Sujatha, Physics, SRMIST, KTR		<b>Chair:</b> Dr. Atsushi Nakamura, Shizuoka University, Japan <b>Co-chair:</b> Dr. J. Chandra dass, Automobile, SRMIST, KTR		<b>Chair:</b> Dr. Ranita Basu, Bhabha Atomic Research Centre, Mumbai <b>Co-chair:</b> Dr. M. Kovendhan, Physics, SRMIST, KTR		<b>Chair:</b> Dr. Sakura N. Takeda NAIST, Japan <b>Co-chair:</b> Dr. Sandeep K lahera, SRMIST, KTR	
11.35 - 11.55	<b>IT 49: Dr. Arief Udhiarto</b> Universitas Indonesia, Indonesia <b>Title:</b> Analysis of performance degradation in single-layer OLEDs fabricated using vacuum-free lamination methods		<b>IT 50: Prof. R. Kothandaraman</b> Indian Institute of Technology Madras, Chennai <b>Title:</b> Mechanistic Investigation on the Capacity Loss in Phosphonated Anthraquinone Based Redox Flow Battery		<b>IT 51: Prof. Mei-Jywan Syu</b> National Cheng Kung University, Taiwan <b>Title:</b> Fabrication of magnetic nanoclusters modified gold electrode for the impedimetric detection of serum albumin		<b>IT 52: Dr. Ir. Retno Wigajatri Purnamaningsih</b> Universitas Indonesia, Indonesia <b>Title:</b> A visible light wide angle optical divider based on III/nitride for under water application	
	<b>IT 53: Dr. Vibha Saxena</b> Bhabha Atomic Research Centre, Mumbai <b>Title:</b> Langmuir-Blodgett technique: a versatile method to prepare high quality and ordered ultra-thin films for various applications		<b>IT 54: Dr. N. Krishna Chandar</b> Vellore Institute of Technology, Vellore <b>Title:</b> Nanostructured manganese oxide based two dimensional nanocomposites for the removal of organic pollutants		<b>IT 55: Prof. M. Arivanandhan</b> Anna University, Chennai <b>Title:</b> Growth of Si <sub>1-x</sub> Gex (0 < x < 1) alloy semiconductor under rapid cooling		<b>IT 56: Prof. Sulaiman Wadi Harun</b> Universiti Malaya, Malaysia <b>Title:</b> Nanomaterial applications in ultrafast photonics	
11.55-13.00	Oral Presentation (OP 137 - OP 138)		Oral Presentation (OP 139 - OP 140)		Oral Presentation (OP 141 - OP 142)		Oral Presentation (OP 143 - OP 144)	
13.00-19.30	Lunch Break							
19.30 - 21.00	Sight Seeing (Trip to Mahabalipuram)							
19.30 - 21.00	Conference Banquet Dinner @ Downtown Building, Mahindra World City near Singaperumal Kovil							
<p align="center"><b>Note :</b> PL - Plenary Talk; KN - Keynote; IT: Invited Talk; TT-Technical Talk</p> <p align="center">TPGA - Dr. T. P. Ganesan Auditorium Mini Hall; SBE - School of Bio-Engineering Building</p>								