

AFMD-2024 PROGRAM SCHEDULE (Day - 1)								
26.02.2024 (MONDAY)								
07.30-09.45	Registration @ Dr. T. P. Ganesan Auditorium (TPGA)							
10.00 - 11.10	Inaugural Program @ Dr. T. P. Ganesan Auditorium (TPGA) - Main Hall							
11.10 - 11.30	High Tea							
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	Symposia C & M	Symposium D	Symposia E,J & I	Symposium F	Symposium G	Symposia H & K
Paraell Session 1								
11.35 - 12.10	Chair: Prof. Mohamed Chehimi, CNRS, France Co-chair: Dr. Trilochan Sahoo, Physics, SRMIST, KTR	Chair: Prof. Mei-Jyuan Syu, National Cheng Kung University, Taiwan Co-chair: Dr. Anbumozhi Angayarkanni, Physics, SRMIST, KTR	Chair: Dr. Daniel Moraru, Shizuoka University, Japan Co-chair: Dr. P. Malar, Physics, SRMIST, KTR	Chair: Prof. Nji Raden Poespawati, Universitas Indonesia, Indonesia Co-chair: Dr. Payel Bandyopadhyay, Physics, SRMIST, KTR	Chair: Prof. Yueh-Heng Li, National Cheng Kung Uni, Taiwan Co-chair: Dr. C. Preferencial Kala, Physics, SRMIST, KTR	Chair: Prof. Ryo Teranishi, Kyushu University, Japan Co-chair: Dr. Debabrata Sarkar, Physics, SRMIST, KTR	Chair: Prof. Chien-Hsiang Chang, National Cheng Kung University, Taiwan Co-chair: Dr. Tusharabhai H Rana, Physics, SRMIST, KTR	Chair: Dr. Katarzyna Krukiewicz, Silesian University of Technology, Poland Co-chair: Dr. M. Kovendhan, Physics, SRMIST, KTR
	KN 01: Prof. Naoki Wakiya Shizuoka University, Japan Title: Computer simulation of spontaneous superlattice formation in S-Ti-O thin film by dynamic aurora PLD	KN 02: Dr. T.N. Narayanan Tata Institute of Fundamental Research, Hyderabad Title: Engineering electrode-electrolyte interfaces in heterogeneous catalysis	KN 03: Prof. Ajay Agarwal Indian Institute of Technology Jodhpur Title: Do Nano-sensors need AI?	KN 04: Prof. Mohd Khairul Bin Ahmad Universiti Tun Hussein Onn Malaysia, Malaysia Title: Unlocking the potential of rutile TiO2: innovations and applications	KN 05: Prof. Ramesh Chandra Mallik Indian Institute of Science, Bangalore Title: Tetrahedrite and Skutterudite: Two important crystal structures in thermoelectric research	KN 06: Prof. T. Serkan Kasirga Bilkent University, Turkey Title: Substrate effects and ionic phase transitions at two-dimensions	KN 07: Prof. Muhammet S. Toprak KTH Royal Institute of Technology, Stockholm, Sweden Title: Development of inorganic nanoparticles for biomedical imaging	KN 08: Prof. C. Clark Kendrick Ateneo de Manila University, Philippines Title: Topological data analysis: Fundamentals and use-cases
12.10 - 12.40	IT 01: Dr. Pavels Onufrijevs Riga Technical University, Latvia Title: Laser-assisted tailoring of semiconductors properties for advanced microelectronics: unleashing the possibilities for GeSn epitaxial layers	IT 02: Dr. Soorathep Kheawhom Chulalongkorn University, Thailand Title: Innovative integration of MOF-derived NiFeO nanocrystals and Ti ₃ C ₂ Tx MXene nanosheets in oxygen electrocatalysis for rechargeable zinc-air	IT 03: Dr. Aman Mahajan Guru Nanak Dev University, Amritsar Title: Self-powered monitoring of biomarkers and environment pollutants by integrating MXene based sensors with nanogenerators	IT 04: Dr. Ursic Hana Jožef Stefan Institute, Slovenia Title: Aerosol deposition of functional thick films on metal and polymer substrates	IT 05: Dr. Maizatul Azrina Yaakob Universiti Tun Hussein Onn Malaysia, Malaysia Title: Dual role of microalgae in wastewater treatment for bioproduct (fish feeds alternative)	IT 06: Prof. Chao-Wei Huang National Cheng Kung University, Taiwan Title: Metal-organic frameworks composites for dye degradation via adsorption, heterogeneous photo-fenton and photocatalysis	IT 07: Dr. Ionut Topala Alexandru Ioan Cuza University of Iasi, Romania Title: Atmospheric pressure plasma deposition of interstellar dust analogues based on amorphous hydrogenated carbon and evolution after proton irradiation	IT 08: Dr. Chi-cheng Chiu National Cheng Kung University, Taiwan Title: Molecular design of ion pair amphiphiles for biomimetic cationic bilayers with designated phase and morphological properties
	Lunch Break							
Parallel Session 2								
14.00 - 14.35	Chair: Dr. Paul Joseph Daniel, National Institute of Technology, Warangal Co-chair: Dr. Ajay Rakesh, Physics, SRMIST, KTR	Chair: Prof. Bhagwati Prasad, IISc, Bangalore Co-chair: Dr. Rohit dir, Physics, SRMIST, KTR	Chair: Prof. Suman De Sarkar, IISER, Kolkata Co-chair: Dr. Chandra Mohan, Physics, SRMIST, KTR	Chair: Dr. Rabindra Nath Mahato, Jawaharlal Nehru University, New Delhi Co-chair: Dr. M. Bhaskar Chandra Behara, Physics, SRMIST, KTR	Chair: Dr. Vanchiappan Aravindan, IISER, Tirupati Co-chair: Dr. P. Malar, Physics, SRMIST, KTR	Chair: Dr. Sujit Das, Indian Institute of Science, Bangalore Co-chair: Dr. Meenal S. Deo, Physics, SRMIST, KTR	Chair: Dr. Taketomo Sato, Hokkaido University, Sapporo, Japan Co-chair: Dr. C. Preferencial Kala, Physics, SRMIST, KTR	Chair: Dr. Ravichandar Babaroo, RMIT University, Australia Co-chair: Dr. K. Shadak Alee, Physics, SRMIST, KTR
	KN 09: Prof. Kazuhiko Hara Shizuoka University, Japan Title: Issues on substrates for the thin film growth of hexagonal boron nitride by low-pressure chemical vapor deposition	KN 10: Prof. Suman De Sarkar IISER, Kolkata Title: Regulating chemoselectivity of organic transformations through electrolysis	KN 11: Dr. Pratima Agarwal Indian Institute of Technology Guwahati, Guwahati Title: Dopant free c-Si heterojunction solar cells: Prospective and challenges	KN 12: Dr. Suvankar Chakraverty Institute of Nano Science and Technology, Mohali Title: Anomalous Shubnikov-De Haas oscillations and room temperature spin polarizations at oxide interfaces	KN 13: Prof. Tomoaki Watanabe Meiji University, Japan Title: Recent advance in photocatalyst for new hydrogen energy source	KN 14: Prof. Hiroki Kondo Kyushu University, Japan Title: Novel plasma-assisted syntheses of functional carbon nanomaterials, their mechanism, and applications	KN 15: Dr. Mrinmoy De Indian Institute of Science, Bangalore Title: Functionalization of different phases of 2D-MoS2 and related applications	KN 16: Prof. Neha Gandhi Manipal Institute of Technology, Manipal Title: Nanoparticle translocation across the lung surfactant film: Unravelling its mechanism at the molecular scale
14.35 - 15.05	IT 09: Prof. P. Rajamalli Indian Institute of Science, Bangalore Title: Systematic investigation to enable the high-efficiency thermally activated delayed fluorescence emitter for OLEDs	IT 10: Dr. Mohammad Abul Hasnat Shahjalal University of Science and Technology, Bangladesh Title: Electro-oxidation of ethanol on IrOx-Pt and oxidation of hydrogen peroxide on GCE/Nafion/Ni electrode surface in alkaline medium	IT 11: Dr. Nurul Asyikeen Ab Mutalib Universiti Malaya, Malaysia Title: Redox cycling amplification in microgap-based bipolar electrodes using an ion-selective membrane	IT 12: Prof. Hiroshi Masumoto Tohoku University, Japan Title: Novel multi-functional properties by magnetic metal-ceramics nano-granular films	IT 13: Dr. V. Kameswara Rao University of Delhi, New Delhi Title: Nano gold in immunosensing applications	IT 14: Dr. Bruce (Jun-Yu) Ou University of Southampton, UK Title: Nanomechanical metamaterials	IT 15: Dr. Marlia Binti Morsin Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia Title: Potential of gold nanobipyramids as an antifungal agent in biomedical and agricultural	IT 16: Dr. T.J. Dhillip Kumar Indian Institute of Technology, Ropar Title: Ab initio insights of 2D carbon lattices and doped analogues as alkali ion batteries materials
	IT 17: Dr. Catur Apriono Universitas Indonesia, Indonesia Title: Design of LO phase shifter based on quadrature hybrid branchline coupler for IQ mixer in synthetic aperture radar applications	IT 18: Prof. A. J. Saleh Ahammed Jagannath University, Bangladesh Title: Fabrication of electrode materials for sustainable energy applications	IT 19: Prof. N. Gopalakrishnan National Institute of Technology, Tiruchirappalli Title: Sn and Cr doped β-[Ga]2O3 Inter Digitated Electrode (IDE) gas sensors	IT 20: Dr. J. Judith Vijaya Loyola College, Chennai Title: Multifunctional pristine magnetic copper ferrite (CuFe2O4) and CuFe2O4/rGO binary nanocomposites: Electrochemical performance and heavy metals adsorption	IT 21: Dr. Easwaramoorthi Ramasamy ARCI, Hyderabad Title: Materials and device concepts of large-area perovskite solar cells	IT 22: Dr. Noor Kamalia Binti Abd Hamed Universiti Tun Hussein Onn Malaysia, Malaysia Title: Synergistic coupling {101}-{111} facet of N-doped TiO2 film enhance spatial charge separation for methylene blue photodegradation	IT 23: Er. Puan Faezahana Binti Mohkhter Universiti Tun Hussein Onn Malaysia, Malaysia Title: The challenge in study of topography properties using Atomic Force Microscope (AFM)	IT 24: Mr. Katsuhiko Nobeta Fuji Electronics, Japan Title: SPS latest technology/application, production system and new model
15.35 - 16.15	Oral Presentation (OP 01 - OP 04)	Oral Presentation (OP 05 - OP 08)	Oral Presentation (OP 09 - OP 12)	Oral Presentation (OP 13 - OP 16)	Oral Presentation (OP 17 - OP 20)	Oral Presentation (OP 21 - OP 24)	Oral Presentation (OP 25 - OP 28)	Oral Presentation (29 - 32)
16.15-16.30	Tea Break							
16.30 - 17.30	Poster Presentation (Venue: Dr. T. P. Ganesan Auditorium) (PP 01 - PP 150)							
17.30-18.30	Cultural Program (Venue: Dr. T. P. Ganesan Auditorium)							
18.30-20.30	Dinner							
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 Buliding								