International Conference on Advances in Nanoscale Materials and Devices, ICANMD-2026

Tentative Program Schedule

DAY 1 (19 Feb 2026)

8.00 am to 9.30 am	**Breakfast**	
8.30 am to 9.30 am	**REGISTRATION (Conference Venue: RIEP Building)**	
9.30 am to 10.30 am	**INAUGURAL FUNCTION** **Chief Guest: Shri L C Mangal (Distinguished Scientist & Director General, Technology Management, DRDO)**	
10.30 am to 11.15 am	**Plenary Talk:** Prof. Emilio Palomares *(ICIQ, Spain)*	
11.15 am to 11.45 am	**HIGH TEA**	
SESSION – I (LH 16) **Session Chair:** Prof. Emilio Palomares		
11.45 am to 12.20 pm	**Keynote 1:** Prof. Chennupati Jagadish AC[#] *(Australian National University, Australia)*	
12.20 pm to 1.00 pm	**Keynote 2:** Prof. Hari M. Upadhyaya *(London South Bank University, London, UK)*	
1.00 pm to 2.00 pm	**LUNCH BREAK**	
	SESSION –II (LH 16) **Session Chair:** Prof. Kamal Devlal	**SESSION –II (LH 17)** **Session Chair:** Prof. Amaresh Mishra
2.00 pm to 2.25 pm	**Invited Talk 1:** Prof. Vineet Kumar Singh, *(DDU Gorakhpur University)*	**Invited Talk 2:** Prof. D. K. Dwivedi (*M.M.M. University of Technology, Gorakhpur*
2.25 pm to 2.50 pm	**Invited Talk 3:** Prof. Sasanka Deka, *(Delhi University)*	**Invited Talk 4:** Prof. Mohan Singh Mehata *(DTU, Delhi)*
2.50 pm to 3.15 pm	**Invited Talk 5:** Prof. Mohan Chandra Mathpal *(Universidad Mayor, Santiago, Chile)*	**Invited Talk 6:** Prof. Ambesh Dixit *(IIT, Jodhpur)*
3.15 pm to 3.40 pm	**Invited Talk 7:** Prof. Hirdyesh Mishra *(BHU, Varanasi)*	**Invited Talk 8:** Prof. S. N. Pandey, *(MNNIT, Prayagraj)*
3.40 pm to 3.55 pm	**TEA BREAK**	
	SESSION –III (LH 16) **Session Chair:** Prof. Ambesh Dixit	**SESSION –III (LH 17)** **Session Chair:** Prof. K. S. Narayan
3.55 pm to 4.20 pm	**Invited Talk 9:** Prof. Fang-Chung Chen [#], *(National Yang Ming Chiao Tung University, Taiwan)*	**Invited Talk 10:** Prof. K. L Yadav. *(IIT, Roorkee)*
4.20 pm to 4.45 pm	**Invited Talk 11:** Prof. Amaresh Mishra, *(Sambhalpur University)*	**Invited Talk 12:** Prof. Kuntal Chatterjee *(Vidyasagar University, WB)*
4.45 pm to 5.10 pm	**Invited Talk 13:** Prof. Supravat Karak *(IIT, Delhi)*	**Invited Talk 14:** Prof. Subhash Thota *(IIT Guwahati)*
5.10 pm to 6.30 pm	**Oral Presentation (6)**	**Oral Presentation (6)**
7.00 pm -8.30 pm	**Dinner**	

DAY 2 (20 Feb 2026)

8.00 am to 9.30 am	**Breakfast**	
SESSION – IV (LH 16) **Session Chair:** Prof. Hari M. Upadhyaya		
9.30 am to 10.10 am	**Keynote 3:** Prof. K. S. Narayan *(JNCASR, Bengaluru)*	
10.10 am to 10.50 am	**Keynote 4:** Prof. Song-Jeng Huang[#] (*National Taiwan University of Science and Technology, Taiwan)*	
10.50 am to 11.25 am	**Keynote 5:** Prof. Prashant Sonar[#] *(Queensland University of Technology, Brisbane, Australia)*	
11.25 am to 11.40 am	**TEA BREAK**	
	SESSION –V (LH 16) **Session Chair:** Prof. Hirdyesh Mishra	**SESSION – V (LH 17)** **Session Chair:** Prof. Supravat Karak
11.40 to 12.05 pm	**Invited Talk 15:** Prof. Rahul Singhal *(MNIT, Jaipur)*	**Invited Talk 16:** Prof. Manoj A. G. Namboothiry, *(IISER, Thiruvananthapuram)*
12.05 pm to 12.30 pm	**Invited Talk 17:** Prof. Deshdeep Sahdev *(Director, Quazar Technologies)*	**Invited Talk 18:** Prof. Aswani Yella *(IIT Mumbai)*
12.30 pm to 12.55 pm	**Invited Talk 19:** Prof. Genene Tessema Mola[#] *(University of KwaZulu-Natal, South Africa)*	
12.55 pm to 1:45 pm	**LUNCH BREAK**	
1:50 pm to 3:30 pm	**POSTER SESSION**	
2.00 pm to 2.25 pm	**Invited Talk 20:** Prof. Lioz Etgar [#] *(The Hebrew University of Jerusalem, Israel)*	
3.25 pm to 3.40 pm	**TEA BREAK**	
SESSION – VI (LH 16) **Session Chair:** Prof. Manoj A. G. Namboothiry		
3.40 pm to 4.15 pm	**Keynote 6:** Prof. Thomas Heiser [#] *(Université de Strasbourg, France)*	
4.15 pm to 4.50 pm	**Keynote 7:** Prof. Sir Richard Friend [#] *(Cambridge University, UK)*	
7.00 pm -8.30 pm	**Dinner**	

DAY 3 (21 Feb 2026)

8.00 am to 9.30 am	**Breakfast**	
SESSION – VIII (LH 16) **Session Chair:** Prof. Aswani Yella		
9.30 am to 10.05 am	**Keynote 8:** Prof. Kunio Awaga [#] *(National Institute of Technology, Toyota, Japan)*	
10.05 am- 10.30 am	**Invited Talk 21:** Prof. Ahmad R. Kirmani[#] *(Rochester University, USA)*	
10.30 am- 10.55 am	**Invited Talk 22:** Prof. Manish K. Kashyap *(JNU, Delhi)*	
10.55 am to 11.15 am	**HIGH TEA**	
11.15 pm to 12.30 pm	**SESSION – IX (LH 16)** **Session Chair:** Prof. Mohan Singh Mehata	**SESSION – IX (LH 17)** **Session Chair:** Prof. S. N. Pandey
	ORAL TALK SESSION (6)	**ORAL TALK SESSION (8)**
12.45 pm to 1.45 pm	**CLOSING CEREMONY: Valedictory Session and Certificate Distribution**	
01.45 pm	**LUNCH BREAK**	

List of Titles of Keynotes & Talks

Plenary Talk:	***Self-Assembling Molecules (SAMs) in Efficient and Stable Perovskite Solar Cells***	***Emilio Palomares***
Keynote 1[#]:	***Semiconductor Nanostructures for Optoelectronics Applications***	***Chennupati Jagadish AC***
Keynote 2:	***Nanoscale Materials Engineering in Next Generation photovoltaic and nano-electronic devices***	***Hari M. Upadhyaya***
Keynote 3:	***Modern Imaging methods and Analysis of solar cells and modules***	***K. S. Narayan***
Keynote 4[#]:	***From Lab to Industry: Economic Breakthroughs in Hydrogen Storage from Magnesium-based Metal-Hydride***	***Song-Jeng Huang***
Keynote 5[#]:	***Soft Conjugated Organic & Quantum Materials for Stretchable, Flexible & Functional Electronics: Molecular Engineering and Strategies for a Sustainable World***	***Prashant Sonar***
Keynote 6[#]:	***Photovoltaic Spatial Light Modulators for Self-Powered Smart Windows***	***T. Heiser***
Keynote 7[#]:	***Electronics with Molecules***	***Sir Richard Friend***
Keynote 8[#]:	***Beyond Carbon Allotropes: Molecule-Based Strongly Isotropic Lattices and Their Topological Functions***	***Kunio Awaga***

Invited Talk 1:	***Modelling and Performance Analysis of Highly Efficient FAPbI3/Si Monolithic Tandem Solar Cells***	***Vineet Kumar Singh***
Invited Talk 2:	***Selenium-Based Phase-Change Chalcogenide Materials: Integrating Electronic and Optical Properties for Future Memory Technologies***	***D. K. Dwivedi***
Invited Talk 3:	***Engineering Pt and Pd Single-Atom Catalysts on Semiconductors for Improved Photocatalytic Hydrogen Evolution and Oxygen Reduction Reactions***	***Sasanka Deka***
Invited Talk 4:	***Advances in Metal and Semiconductor Nanoparticles: Eco-Friendly Synthesis, Optical Properties, Sensing Applications and Electric-Field-Driven Charge Dynamics***	***Mohan Singh Mehata***
Invited Talk 5:	***Defects In Bi-Dimensional (2D) Materials For Quantum Sensing Applications***	***Mohan Chandra Mathpal***
Invited Talk 6:	***Tandem versus Graded CHTS-Se solar cells: Complexity versus Ease towards Higher Efficiency Solar Cells***	***Ambesh Dixit***
Invited Talk 7:	***Tracking Exciton Migration/ Energy Transfer in Fluorescent Organic Semiconductor Materials: From Molecules in Solution to Device Performance***	***Hirdyesh Mishra***
Invited Talk 8:	***High performance solid state symmetric supercapacitors based on composite electrodes for energy storage application***	***S. N. Pandey***
Invited Talk 9#:	***Emerging Solar Cells for Efficient Power Conversion Under Solar and Indoor Light Sources***	***Fang-Chung Chen***
Invited Talk 10:	***Multiscale Engineering of BNT-Based Relaxor Ferroelectrics Achieving Superior Low-Field Energy Storage Performance***	***K. L. Yadav***
Invited Talk 11:	***Organic Solar Cells: Translating Molecular Insights into Functional Devices***	***Amaresh Mishra***
Invited Talk 12:	***Engineering Layered Materials: Building a Sustainable Energy Future***	***Kuntal Chatterjee***
Invited Talk 13:	***Insulating Polymer Photocells for Ultrafast Information Conversion***	***Supravat Karak***
Invited Talk 14:	***Nanostructured artificial superlattices for on-chip cooling applications and magnetic refrigeration***	***Subhash Thota***
Invited Talk 15#:	***Green Synthesis of Au-rGO Nanocomposites for Voltammetric Sensing of Steroidal Compound for Enhanced Electrode Performance***	***Rahul Singhal***
Invited Talk 16:	***Interface Engineering as a Robust Strategy to Mitigate Illumination-Sensitive Dark Current in Organic Photodiodes***	***Manoj A. G. Namboothiry***
Invited Talk 17:	***SPM Characterisation of Graphene & TMDCs Grown using Chemical Vapour Deposition***	***Deshdeep Sahdev***
Invited Talk 18:	***Polymer Perovskite Composites for Energy Harvesting Applications***	***Aswani Yella***
Invited Talk 19#:	***Plasmon Metal Nanoparticles to Improve Photocurrents in Thin Film Polymer Solar Cells***	***Genene Tessema Mola***
Invited Talk 20#:	***Flexible Piezoelectric Pressure Sensors Utilizing Low-Dimensional and Fully printable Perovskite Solar Cells***	***Lioz Etgar***
Invited Talk 21#:	***Emerging Thin-Film Semiconductors for Space Photovoltaics***	***Ahmad R. Kirmani***
Invited Talk 22:	***Triple cation-based hybrid halide perovskite solar cells for better photovoltaic performance***	***Manish K. Kashyap***

refers to online talks