

SUNDAY, 10 DECEMBER 2017

9.30 am-8.00 pm: REGISTRATION

HALL-GANGA

TUTORIALS

9.30 am-11.00 am : Tutorial-1: Advanced Materials for Memory Applications
Prof. M. Gregg, Queen`s University Belfast, Ireland

11.00 am–11.15 am : Tea

11.15 am-12.45 pm: Tutorial-2: Spintronic Devices
Prof. Tamalika Banerjee, University of Groningen, Netherlands

12.45 pm–1.45 pm : Lunch

1.45pm-3.15 pm : Tutorial-3: Carbon Based Materials
Prof. Orlando Auciello, University of Texas at Dallas, USA

3.15 pm – 3.30 pm : Tea

3.30 pm-5.00 pm : Tutorial-4: Nanostructures for Nanomedicine/Bioelectronics Applications
Prof. Bengt Danielsson, Linkoping University, Sweden

6.30 pm – 9.30 pm : WELCOME RECEPTION

MONDAY, 11 DECEMBER 2017

9.00 am – 10.40 am: Inaugural Function followed by

PLENARY LECTURE – 1

V. Ramgopal Rao, Director, Indian Institute of Technology, Delhi, India

“Bridging Academic R&D with Product Innovation- a few case studies and a way forward”

10.40 am-11.10am:TEA

HALL-GANGA	HALL-YAMUNA	HALL-VYAS	HALL-TAPTI
Session I(A-1) 11.10 am-12.30pm	Session I(B-1) 11.10 am-12.30pm	Session I(C-1) 11.10 am-12.30pm	Session I(F-1) 11.10 am-12.30pm
Science and Technology for memory devices – I	Smart Sensors, Transducers, Actuators and MEMS – I	Science and Technology of Multiferroic & Magnetolectrics- I	CMOS Technology extended-Novel systems and approaches – I
HERMANN KOHLSTEDT(IT-A1) Memristive Devices for bio-inspired Circuits	ISAO KIMURA (IT-B1) Manufacturing Technology of PZT-based Piezo-MEMS and Sensors	MASSIMO GHIDINI (IT-C1) Voltage control of magnetic domains and vortices in Ni films on ferroelectric substrates	MANABU KOJIMA (IT-F1) Development of highly reliable FRAM and its future applications
VIKAS RANA (IT-A2) Forming-Free Metal-Oxide ReRAM for Reliable Device Operation	M.M. NAYAK (IT-B2) Three Types of MEMS Pressure Transducers for Aero Space Applications	ANTHONY K.CHEETHAM (IT-C2) Hybrid Organic-Inorganic Perovskites	MARKUS MUNZENBER (IT- F2) Ultrafast magnetism and THz spintronics
HASAN RAZA ANSARI (OT-A1) Junctionless Capacitorless Dynamic Random Access Memory	LOKESH RANA (OT-B1) Highly sensitive Lamb wave SAW gas sensors	MANOJ KUMAR SINGH (OT-C1) Multiferroic Properties & Strain Induced Spin Phonon Coupling in BiFeO ₃ /CoFe ₂ O ₄ Thin Film Heterostructures	NIVEDITA JAISWAL (OT-F1) Influence of Gate-Source/Drain Underlap on Performance of Junctionless Transistor
ATUL THAKRE (OT-A2) Impedance spectroscopy studied on resistive switching states of Cr doped Barium Titanate thin films	JITENDRA SINGH (OT-B2) Piezoelectric ZnO micro-cantilever based mass-sensor	MUKESH KUMARI (OT-C2) Observation of a large negative magneto-electric coupling in Fe substituted Bi _{10.5} Na _{0.5} TiO ₃	MANISH GUPTA (OT-F2) Device and Material Considerations for Steep Switching MOSFETs

12.30 pm-2.00 pm:POSTER SESSION-I (for Technical Sessions A, B and G) WITH LUNCH

Session II(J-1)	Session II(D-1)	Session II(G-1)	Session II(H-1)
Biocompatible systems for medical applications, theranostics and devices for drug delivery – I 2.00 pm-3.20 pm	Physics & Application of hetero-structures & superlattices-I 2.00 pm-3.20 pm	Tunable dielectrics for RF and high frequency devices – I 2.00 pm-3.20 pm	Magneto-optic, Photonic and Acousto-optic applications – I 2.00 pm-3.20 pm
JENNIFER ANDREW (IT-J1) Advances in Nanocomposite Design: A Route towards Multiferroic and Exchange Coupled Systems	YORAM DAGAN (IT-D1) Tuning superconductivity and spin-orbit interaction across the phase diagram of (111) LaAlO ₃ /SrTiO ₃ interface	BRIAN E. HAYDEN (IT-G1) Combinatorial Material and Device Optimisation of Tunable Dielectrics for Smart Microwave & mm-Wave Systems	BURKARD HILLEBRANDS(IT-H1) Magnonic supercurrents
PABLO GURMAN (IT-J2) Multifunctional Biomaterials for a New Generation of Implantable Medical Devices with Superior Biological Performance	DANIEL SANDO (IT-D2) Strain tuning the remarkable functionalities of BiFeO ₃ films	TOMOAKI YAMADA (IT-G2) Manipulation of Growth and Structure Towards Realization of Low-K Tunable Dielectric Thin Films	VASILY TEMNOV (IT- H2) Acousto-magneto-plasmonic interactions at the nano-scale
GURPREET KAUR (OT-J1) Microfluidic Electrochemical Biosensors: Towards Point-of-Care Cholesterol Monitoring	POONAM KUMARI (OT-D1) What drives the structural distortion in monolayers of binary semiconductors?	K.S. SHARMA (OT-G1) High Q and switchable high overtone bulk acoustic wave resonators based on Ba _{0.5} Sr _{0.5} TiO ₃ (BST) thin films	ANULEKHA DE (OT-H1) Investigation of Magnetization Dynamics and Magnonic Band Structure in Two-Dimensional Diatomic Nanodot Array
SHARDA NARA (OT-J2) Salivary Enzymes for Rapid Electricity Generation using Rotten Potato	JAIVARDHAN SINHA (OT-D2) Interfacial Effects Originating from Large Spin-Orbit Coupling in W/CoFeB/SiO ₂ Heterostructure	J PUNDAREEKAM GOUD (OT-G2) Laser induced crystallization of tunable BST thin films suitable for RF and high frequency devices	NASIMA KHATUN (OT-H2) Bandgap tuning by lattice distortion in V and Ga doped TiO ₂

3.20 pm-3.40 pm :TEA

Session III(A-2)	Session III(B-2)	Session III(I-1)	Session III(E-1)
Science and Technology for memory devices – II 3.40 pm-4.50 pm	Smart Sensors, Transducers, Actuators and MEMS – II 3.40 pm-4.50 pm	Piezoelectrics and photovoltaics for energy harvesting & conversion – I 3.40 pm-4.50 pm	New trends in spintronics and topological phenomena – I 3.40 pm-4.50 pm
RAM KATIYAR (IT-A3) Ferroelectric/Multiferroic Tunnel Junction for Nanoelectronic Devices	RAJEEV RANJAN (IT-B3) Colossal electrostrain& enhanced photo-catalytic response in the giant tetragonality ferroelectric system BiFeO ₃ -PbTiO ₃	ASHISH GARG (IT-II) Strategies to Engineer P(VDF-TrFE) Thin Films with Improved Ferroelectric and Piezoelectric Properties for Flexible Energy Harvesting Applications	MARTY GREGG (IT E-1) Transport and Spin Transport Properties of Ferroelectric Domain Walls
RAVIKANT (OT-A3) Probing of Ferroelectric tunneling current with metal & superconducting electrodes	VIMAL K. AGARWAL(OT-B3) Design and analysis of MEMS piezoresistive rectangular paddle microcantilever based wind speed sensor	VIJAYETA PAL(OT-II) Crystal structure, surface morphology & enhanced thermoelectric performance of Graphite oxide doped SrTi _{0.88} Nd _{0.15} O ₃ nanocomposites	ARIJIT DAS (OT-E1) Electric field control of tunneling anisotropic magnetoresistance across complex oxide interfaces
ASHISH KUMAR (OT-A4) Large scale & cost effective realization of Black Silicon and its Applications	SAVITA SHARMA (OT-B4) WO ₃ /BTO heterostructures based NO ₂ sensor with enhanced response characteristics	MANOJ KUMAR GUPTA (OT-I2) Transparent Flexible Piezoelectric Nanogenerators for Self-Powered Electronic Devices	VISHAL BHARDWAJ (OT-E2) Weak Antilocalization Effect in Topologically Nontrivial DyPdBi(110) Half Heusler
TANUSHREE SARKAR (OT-A5) Crystal structure dependent multi-ferroic properties of LuMn _{0.3} Fe _{0.5} O ₃ thin films grown on SrTiO ₃ (100) and SiO ₂ /Si (100) substrates	NIDHI TYAGI (OT-B5) Multifunctional single crystal growth, morphology & Hirshfeld surface analysis of L-histidinium tetrafluoroborate for piezoelectric and optical applications	SAMUEL JELLARD (OT-I3) Guiding principles and dimensional optimization of piezoelectric structures for rainfall energy harvesting	AKASH KUMAR (OT-E3) Electrical Detection of Spin Currents in Thin Film Heterostructures

5.30 pm onwards: CULTURAL EVENING AT PURANA QUILA (having ~500 years old current structure and ~3000 years old Painted Grey Ware culture)

TUESDAY, 12 DECEMBER 2017

9.00 am-10.00 am:PLENARY LECTURE – 2

J. F. SCOTT, University of St. Andrews, St. Andrews, Fife and Emeritus Professor, Cavendish Laboratory, Cambridge University, Cambridge, UK
“Ferroelectric Domains: New Materials, New Physics, and Commercial Applications”
 Industrial Presentations

10.00 am-10.20 am :TEA

HALL-GANGA	HALL-YAMUNA	HALL-VYAS	HALL-TAPTI
Session IV(E-2) 10.20 am-11.40am	Session IV(F-2) 10.20 am-11.40am	Session IV(J-2) 10.20 am-11.40am	Session IV(D-2) 10.20 am-11.40am
New trends in spintronics and topological phenomena – II	CMOS Technology extended-Novel systems and approaches – II	Biocompatible systems for medical applications, theranostics and devices for drug delivery – II	Physics and Application of heterostructures & superlattices – II
GERRIT BAUER (IT-E2) Spintronics with magnetic insulators	KEREM CAMSARI (IT-F3) Stochastic p-bits for invertible logic	HARI SRIKANTH (IT-J3) Functional hybrid nanoparticles for magnetic hyperthermia and nanomedicine applications	GERTJAN KOSTER (IT-D3) Controlled properties in oxide heterostructures by interface-engineered oxygen octahedral coupling
VINCENT CROS (IT-E3) Room temperature nucleation, electrical detection and spin torque induced motion of sub-100 nm magnetic skyrmions	MAYANK SHRIVASTAVA(IT-F4) Record high graphene transistor performance	C. RAMAN SURI (IT-J4) Bio-nanophotonics: new generation disease diagnosis	MARTA GIBERT (IT-D4) Magnetic coupling through LaNiO ₃ in (111) LaNiO ₃ /LaMnO ₃ superlattices
KUMAR SOURAV DAS (OT-E4) Spin Injection and Detection via the Anomalous Spin Hall Effect in a Ferromagnetic Metal	Y. V. BHUVANESHWARI (OT-F3) Decoupling Volume and Accumulation Conduction in Junctionless Transistor	SHINE AUGUSTINE (OT-J3) Protein Conjugated Label Free Immunosensor for Ultrasensitive Detection of Breast Cancer Biomarker	PAVLO ZUBKO (OT-D3) Imaging ferroelectric domain structures with X-ray nanodiffraction
NAVEEN SISODIA (OT-E5) Temperature dependent transient dynamics of an isolated skyrmion in a nanodisk	PRANJAL SINGH TOMAR (OT-F4) Impact of Dopant Location in Heavily Doped MOSFETs	NIDHI DHULL (OT-J4) Electrochemical detection of Cortisol using sputtered NiOmicrodiscs based immunosensor	SUNIL K ARORA (OT-D4) Manipulating surfaces to tailor nanoscale defects in epitaxial oxide heterostructures

11.40 am-12.00pm :TEA

Session V(A-3)	Session V(B-3)	Session V(I-2)	Session V(G-2)
Science and Technology for memory devices – III 12.00 pm-1.20 pm	Smart Sensors, Transducers, Actuators and MEMS – III 12.00 pm-1.20 pm	Piezoelectrics and photovoltaics for energy harvesting & conversion–II 12.00 pm-1.20 pm	Tunable dielectrics for RF and high frequency devices – II 12.00 pm-1.20 pm
RUSSELL COWBURN (IT-A4) Spintronic materials for biotechnology applications	P.S. ANIL KUMAR (IT-B4) Planar Hall effect based magnetic field sensors	ANDREI KHOLKIN (IT-I2) Emergent piezoelectric materials and applications	IAN M REANEY (IT-G3) MW Ceramics: 5G and beyond
VINCENT GARCIA (IT-A5) Real-space imaging of non-collinear antiferromagnetic order with a single spin magnetometer	V. NATARAJAN (IT-B5) Studies on Piezo coefficients of PLD and Sol-Gel grown PZT thin film for devices	ASHOK KUMAR (IT-I3) Bulk Photovoltaic Effect in Li and Bi substituted PZT	T.S. KALKUR (IT-G4) Bulk Acoustic Wave Devices and Circuits Based on Barium Strontium Titanate Thin Films
H.B. SHARMA (OT-A6) Sol-gel Processed Ferroelectric and Multiferroic Thin Films for Integrated Devices	SUSHMA SANTAPURI (OT-B6) A computationally efficient energy averaged nonlinear constitutive model for magnetostrictive materials	AKASH BHATNAGAR (OT-I4) Photoelectronic processes in multiferroic materials	AJEET KUMAR (OT-G3) Leakage current and microwave dielectric properties of Pulse Laser Deposited tunable Ba _{0.5} Sr _{0.5} TiO ₃ thin films
BRAIN E. HAYDEN (OT-A7) Synthesis and screening of Phase charge chalcogenide thin film materials for data storage	AVNEET SINGH (OT-B7) Array of Pd-SnO ₂ hetrostructures for the efficient detection of CO gas	CHANDRA BHAL SINGH(OT-I5) Synthesis and Band-gap tuning of (Co, Bi) doped PbTiO ₃ for Photoferroelectrics Applications	RADHAPIYARI (OT-G4) Modification of spinel system MgTi ₂ O ₄ with Al ³⁺ and Ca ²⁺ substitution

1.20 pm-2.50 pm :POSTER SESSION-II (for Technical Sessions C, D and E) WITH LUNCH

Session VI(H-2)	Session VI(D-3)	Session VI(E-3)	Session VI(C-2)
Magneto-optic, Photonic and Acousto-optic applications – II 2.50 pm-4.00 pm	Physics and Application of heterostructures & superlattices – III 2.50 pm-4.00 pm	New trends in spintronics and topological phenomena – III 2.50 pm-4.00 pm	Science and Technology of Multiferroic & Magnetoelectrics–II 2.50 pm-4.00 pm
ANJAN BARMAN (IT-H3) Ultrafast Spin Dynamics in Ferromagnetic Thin Films, Heterostructures and Nanostructures	LANE MARTIN (IT-D5) Emergent Structures and Properties in Ferroelectric Super-lattices	CLAUDIA FELSER (IT-E4) Weyl Semimetals- non magnetic and magnetic!	JOSEP FONTCUBERTA (IT-C3) Ferromagnetic and Ferroelectric. A winning couple
SABINA KUPRENAITE (OT-H3) Epitaxial lift-off and 3D structuring of Rutile TiO ₂ films	RAVINDER KAUR (OT-D5) Effect of substrate temperature on structural, optical and electrical properties of ternary Cd _{0.05} Zn _{0.95} O thin films for photovoltaic applications	DENNIS MEIER (OT-E6) Topological domain walls in helimagnets	DHIREN K PRADHAN (OT-C3) Probing the local and global ferroelectric phase transitions of multiferroic thin films: Mapping the temperature-composition space to confidence
SOURAV SAHOO (OT-H4) Ultrafast Magnetization Dynamics of Micron-sized 3D Cobalt Tetrapod Structure	SHEETAL DEWAN (OT-D6) Laser Molecular Beam Epitaxy grown GAN/INGAN quantum well based LED	ABHISHEK TALAPATRA(OT-E7) Tailoring Magnetic Domains in Thin Films and Exchange Biased Bilayer	BIVAS RANA (OT-C4) Excitation of coherent propagating spin waves in ultrathin CoFeB film by voltage-controlled magnetic anisotropy
DIPAK K. KHATUA (OT-H5) Electric field tuning of rare-earth photoluminescence in ferroelectrics	AYAN R CHAUDHURI (OT-D7) MBE growth and dielectric properties of unusually oriented Gd ₂ O ₃ thin films on Si(100)	SANTANU PAN (OT-E8) Controlled co-excitation of direct & indirect ultrafast demagnetization in Co/Pd multilayer with large perpendicular magnetic anisotropy	SHAAN AMEER (OT-C5) Ab-initio studies of structural, magnetic and ferroelectric properties of La and Cr codoped BiFeO ₃

4.30 pm:Departure for GALA DINNER and Exposure to Indian (Rajasthan) traditional culture at ChokhiDhani

WEDNESDAY, 13 DECEMBER 2017

9.30 am-10.25 am: PLENARY LECTURE –3

STUART PARKIN, *Max Planck Institute for Microstructure Physics, Halle (Saale), Germany, Martin Luther University Halle-Wittenberg, Germany*
“Chiral Spin-Orbitronics”

Industrial Presentation

10.25 am-10.45am:TEA

HALL-GANGA	HALL-YAMUNA	HALL-VYAS	HALL-TAPTI
Session VII(E-4) 10.45 am-12.05pm	Session VII(I-3) 10.45 am-12.05pm	Session VII(C-3) 10.45 am-12.05pm	Session VII(H-3) 10.45 am-12.05pm
New trends in spintronics and topological phenomena – IV	Piezoelectrics and photovoltaics for energy harvesting & conversion-III	Science and Technology of Multiferroic & Magnetolectrics- III	Magneto-optic, Photonic and Acousto-optic applications – III
SUBHASIS GHOSH (IT-E5) Symmetric and Asymmetric conduction in Undoped and doped Monolayer Graphene Based Transistor	SHASHANK PRIYA (IT-I4) Piezoelectric - Magnetostrictive Composites for Energy Harvesting	ROGER JOHNSON (IT-C4) Coherent Sub-Micron Magnetoelastic Domains in Multiferroic BiFeO ₃ Films	ROHIT PRASAN KUMAR (IT-H4) Using ultrafast optics to directly probe ferroelectric and magnetic order in multiferroics
KARSTEN FLEISCHER (IT-E6) Ultrathin Magnetite in Fe ₃ O ₄ /MgO super lattices-resolving the origin of an enhanced thin film magnetic moment	AKHILESH K. SINGH (IT-I5) Structure-Property Correlations in New Bi-Based Piezoceramics for Energy Harvesting	KATHRIN DOERR (IT-C5) Non-collinear interfacial magnetism in oxide heterostructures	SHOVON PAL (IT-H5) Exploring the dynamics of magneto-optical interactions in rare-earth doped garnets by multi-dimensional THz spectroscopy
MUKESH KUMARI (OT-E9) Suppression of charge ordering and evolution of ferromagnetic metallicity in Ru substituted Bi _{0.5} Ca _{0.5} MnO ₃ probed by electrical/magnetic transport and thermopower studies	ANJALI SHARMA (OT-I6) Exploitation of thermoelectric properties of Al:ZnO thin films for self-power generation	SHUBHAM AGARWAL (OT-C6) A Landau-Devonshire modelling framework for single phase multiferroic materials	SAMIRAN CHOUDHURY (OT-H6) Investigation of Spin Wave Dynamics in Two-Dimensional Nanoscale Bi-component Magnonic Crystal
ASHWIN TULAPURKAR (OT-E10) Frequency Locking of Spintronic Feedback Nano Oscillator to Microwave Magnetic Field	SHIBNATH SAMANTA (OT-I7) Electrocaloric effect, dielectric, ferroelectric and piezoelectric properties in normal and relaxor phases of La-doped PZT(65/35)	SARMISTHA MAITY (OT-C7) Transport properties of a multiferroic metal organic framework crystal grown on silicon substrate	SWATI RAJPUT (OT-H7) Ultra-low loss slow light in Si-ITO based hollow core waveguide

12.05 pm-1.20 pm :POSTER SESSION-III (for Technical Sessions H, I and J) WITH LUNCH

Session VIII (SPECIAL)	Session VIII (G-3)	Session VIII (J-3)	Session VIII (F-3)
Patents, Product and their need	Tunable dielectrics for RF and high frequency devices – III	Biocompatible systems for medical applications, theranostics and devices for drug delivery – III	CMOS Technology extended-Novel systems and approaches – III
1.20 pm-2.40 pm	1.20 pm-2.40 pm	1.20 pm-2.40 pm	1.20 pm-2.40 pm
AVINASH KUMAR (IT-P1) Patenting of materials: Case studies from DRDO	PAULA VILARINHO (IT-G5) Exploring strategies for low loss tunable dielectrics	S.P. SINGH (IT-J5) Au-ZnO core-shell nanoparticles for enhanced radiotherapy of cancer	MANUEL BIBES (IT-F5) Giant topological Hall effect from magnetic skyrmion bubbles in correlated manganite thin films
A.K. GARG (IT-P2) IPR issues in promotion of technology innovation in ICT	K. C. JAMES RAJU (IT-G6) Voltage tunable ferroelectric thin films for microwave varactor & resonator applications	SUNIL BHAND (IT -J6) Nanomaterials integrated biosensing platform: Application in ultrasensitive chemical and biological analysis	ABHINAV KRANTI (IT-F6) Function without junction: Opportunities for steep switching devices
Y. D. PANWAR (IT-P3) Patent and other IP issues in materials and Case studies	ANDREWS JOSEPH (OT-G5) Broadband Microwave Dielectric Properties of NBT Thin Films	PRATEEK JAIN (OT-J5) Designed Dominant Negative Proteins: Tools for functional regulation of target genes	SARITA YADAV (OT-F5) Organic Inverter
	NASIMA KHATUN (OT-G6) Effect of Vanadium doping on structural and dielectric properties of TiO ₂	VARUN VYAS (OT-J6) PECVD Amorphous Silicon Oxy-nitride Thin Film for Cell Culturing	AJAY SINGH (OT-F6) Four-Gate Dielectric Modulated NMOS Inverter based Biosensor

2.40 pm-3.00 pm :TEA

Session IX (D-4)	Session IX (A-4)	Session IX(B-4)	Session IX(C-4)
Physics and Application of hetero-structures & superlattices – IV	Science and Technology for memory devices – IV	Smart Sensors, Transducers, Actuators and MEMS – IV	Science and Technology of Multiferroic & Magnetolectrics- IV
3.00 pm-4.10 pm	3.00 pm-4.10 pm	3.00 pm-4.10 pm	3.00 pm-4.10 pm
JACOBO SANTAMARIA (IT-D6) Oxygen vacancy controlled charged domain wall in a ferroelectric tunnel junction	PANKAJ SHARMA (IT-A6) Nonvolatile Ferroelectric Domain Wall Memory	DHIREN K PRADHAN (IT-B6) Effect of defects, dopant & aging on Electro-mechanical Coupling in doped BaTiO ₃ .	MAHENDIRAN RAMANATHAN(IT-C6) Multifunctional properties of Eu _{1-x} Ba _x TiO ₃
SHALINI KUMARI (OT-D8) Artificial Multilayers & Superlattices LSMO/PZTFT Heterostructures for Memory Devices Applications	SAHIL GOEL (OT-A8) Front Runner Ferroelectric Organic Crystal: Diisopropylammonium Bromide	ANIL (OT-B8) Explosive Sensing Using Porous Zr _{0.8} Sn _{0.2} TiO ₄ Based on Fluorescence Quenching Technique	MOHAMMAD NASIR (OT-C8) Structural, magnetic and dielectric properties of Mn-enriched La ₂ NiMnO ₆ double perovskite
MANJULA SHARMA (OT-D9) Structural study of MBE grown Si/Ge superlattice structures	AMITESH KUMAR (OT-A9) ZnO based resistive switching memory fabricated by Dual Ion Beam Sputtering with excellent endurance	MUSTAQUE ALI KHAN (OT-B9) Reduced Graphene Oxide Based Dual Photodetector and Temperature Sensor	PRAVEEN KUMAR (OT-C9) Maxwell-Wegner Relaxation in BFO-PLZT Ceramics
MD ARIF KHAN (OT-D10) Cadmium Alloyed Buffer Layer ZnO Enhances Sheet Charge Density in ZnO Based Heterostructure Grown by Dual Ion Beam Sputtering	ARNAB BOSE (OT-A10) Anomalous spin-orbit torque generated by a ferromagnet	NITIN KUMAR PURI (OT-B10) Controlled Synthesis of Hierarchical CuO Nanostructures For Electrochemical Biosensing Studies For Cancer Detection	BALESH KUMAR (OT-C10) Structural, Dielectric, Ferroelectric and Magnetic Properties of Gd doped BiFeO ₃

4.10 pm – 5.00 pm: VALEDICTORY FUNCTION (BEST ORAL PRESENTATION AND POSTER PRESENTATION AWARDS)