

Starting time	Monday, June 5th				
9:30	<b>Opening</b>				
9:45	<b>1.1.</b>	Vikram Kumar Jaiswal	Modeling Light Echoes in Active Galactic Nuclei (AGN).	<b>ASTROPHYSICS</b>	<b>Bestin James</b>
10:00	<b>1.2.</b>	Anjitha John William Mini Latha	Deep learning based photometric redshifts of galaxies in Kilo-degree survey		
10:15	<b>1.3.</b>	Feven Markos Hunde	Cosmic web topology and the characteristics of dark matter subhaloes		
10:30	<b>1.4.</b>	Gursharanjit Kaur	Target selection for 4MOST WAVES-wide via automated classification		
10:45	<b>1.5.</b>	Bestin James	Black hole outflows initiated by accretion of large-scale magnetic fields		
11:00	<b>Q &amp; A 1</b>				
11:15	<b>Coffee Break</b>				
11:30	<b>2.1.</b>	Md Shahin Alam	Anomalous properties of magnetic Weyl semimetal CeAlSi	<b>TOPOLOGY</b>	<b>Pardeep Tanwar</b>
11:45	<b>2.2.</b>	Pardeep Kumar Tanwar	Gravitational anomaly in antiferromagnetic topological Weyl semimetal NdAlSi		
12:00	<b>Q &amp; A 2</b>				
12:15	<b>Coffee break</b>				
12:30	<b>3.1.</b>	Jaydeb Dey	Helical magnetic structure of nanolaminated Mn <sub>2</sub> GaC MAX phase films	<b>MAGNETISM</b>	<b>Manasa Manasa</b>
12:45	<b>3.2.</b>	Arathi Moosarikandy	Temperature Dependence of Spin Pumping in Ni <sub>81</sub> Fe <sub>19</sub> /Pt, Ni <sub>81</sub> Fe <sub>19</sub> /SnTe and Ni <sub>81</sub> Fe <sub>19</sub> /Pb <sub>1-x</sub> Sn <sub>x</sub> Se bilayers		
13:00	<b>3.3.</b>	Kausik Das	Monte Carlo simulations of magnetic properties in (Ga,Mn)N layers		
13:15	<b>3.4.</b>	Amar Fakhredine	Spontaneous Anomalous Hall effect in SrIrO <sub>3</sub> (111) thin film		
13:30	<b>3.5.</b>	Sana Zakar	Magnetic and Magnetotransport Properties of Diluted Magnetic Semiconductor (Ge <sub>1-x</sub> ySixMnyTe) Crystals		
13:45	<b>Q &amp; A 3</b>				
14:00	<b>Lunch</b>				

15:30	<b>4.1.</b>	Sameh Altanany	Vortex glass transition and thermal creep in Nb films	<b>THIN FILMS</b>	<b>Jaydeb Dey</b>
15:45	<b>4.2.</b>	Krzysztof Golyga	Growth of Niobium Nitride films on III-Nitrides by Molecular Beam Epitaxy		
16:00	<b>4.3.</b>	Pushkar Joshi	Spectroscopic signatures of energy transfer in inhomogeneous films of CuInS <sub>2</sub> quantum dots		
16:15	<b>Q &amp; A 4</b>				
16:30	<b>Break</b>				
16:45	<b>5.1.</b>	Omer Farooq	Investigation of Spectral Properties of Quantum Graphs and Microwave Networks	<b>OPTICAL PROPERTIES</b>	<b>Kwasi Nyandey</b>
17:00	<b>5.2.</b>	Saranya Narayanan	Luminescence study of LiGa <sub>5</sub> O <sub>8</sub> :Mn powders		
17:15	<b>5.3.</b>	Joanna Olas	Imaging the S <sub>0</sub> →S <sub>1</sub> transition moments of single organic dye molecules in a crystalline matrix		
17:30	<b>Q &amp; A 5</b>				
End of Day 1-- Supper					

Starting Time	Tuesday, June 6th				
8:00-9:15	<b>Breakfast</b>				
9:30	<b>6.1.</b>	Priya Singh	Thermodynamics of Nanostructures at Low Temperatures	<b>NANO-STRUCTURES</b>	<b>Syed Shabhi Haider</b>
9:45	<b>6.2.</b>	Wiktorija Zajkowska	Crystallization and characterization of ZnO//FeGa nanowires for nano-devices applications		
10:00	<b>6.3.</b>	Ajeesh Kumar Somakumar	Pressure-induced emission colour tuning of ZnS: Mn <sup>2+</sup> nano phosphor		
10:15	<b>Q &amp; A 6</b>				
10:30	<b>Coffee Break</b>				
10:45	<b>7.1.</b>	Mahwish Sarwar	Post-implantation Defect Accumulation in Crystal Lattice of $\beta$ -Ga <sub>2</sub> O <sub>3</sub> Implanted with Yb ion	<b>SEMICONDUCTORS 1</b>	<b>Omer Farooq</b>
11:00	<b>7.2.</b>	Vasyl Stasiv	Chemical Tuning and Temperature Behavior of Mn <sup>4+</sup> Photoluminescence in Ga <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> Alloys		
11:15	<b>7.3.</b>	Sania Dad	Surface and Structural Analysis of (110)-grown Pb <sub>1-x</sub> Sn <sub>x</sub> Te Topological Crystalline Insulator		
11:30	<b>7.4.</b>	Syed Shabhi Haider	LiTaO <sub>3</sub> :Pr: A Smart Optical Material for Remote Stress Sensing Applications		
11:45	<b>7.5.</b>	Mikołaj Chlipała	Enhanced injection efficiency in double-color III-Nitride LEDs		
12:00	<b>Q &amp; A 7</b>				
12:15	<b>Coffee break</b>				
12:30	<b>8.1.</b>	Midhun Anila	Coarse-grained molecular dynamics of intrinsically disordered proteins	<b>BIOPHYSICS</b>	<b>Abdul Khaliq</b>
12:45	<b>8.2.</b>	Barbara Klepka	Coral polyanionic protein-mediated formation of calcium carbonate spherulites		
13:00	<b>8.3.</b>	Pamela Smardz	Disulfide Bonds in Lipid Transfer Proteins - Molecular Dynamics studies		
13:15	<b>8.4.</b>	Nguyen Van Hung	Antibodies bind to Spike protein to prevent SARS-CoV-2 entering the human cell		
13:30	<b>Q &amp; A 8</b>				
14:00-15:15	<b>Lunch</b>				
16:00-16:45	<b>Invited talk : Professor Izabella Grzegory Title : GaN - High pressure crystal</b>				
End of Day 2-- Supper					

Starting Time	Wednesday, June 7th				
8:00-9:15	<b>Breakfast</b>				
9:30	<b>10.1.</b>	Maciej Marciniak	Super-Tonks-Girardeau quench in the extended Bose-Hubbard Model	<b>QUANTUM PHYSICS</b>	<b>Aleksander Sanjuan C.</b>
9:45	<b>10.2.</b>	Tae-Hun Lee	Objectivity in a simple harmonic oscillator in spin environment		
10:00	<b>10.3.</b>	Oskar Slowik	The efficiency of universal sets of quantum gates		
10:15	<b>10.4</b>	Sarath Prem	Longitudinal coupling between electrically driven spin-qubits and a resonator		
10:30	<b>Q &amp; A 10</b>				
10:45	<b>Coffee Break</b>				
11:00	<b>11.1.</b>	Jerzy Plesiewicz	Formation and electronic properties of EE1 trap level after 1.5-MeV electron irradiation in homo-epitaxial n-GaN layers grown by MOVPE	<b>SEMI CONDUCTORS 2</b>	<b>Muhammed AKTAS</b>
11:15	<b>11.2.</b>	Abinash Adhikari	Bandgap study of {CdO/MgO} superlattice structure		
11:30	<b>11.3.</b>	Anastasia Lysak	Structural and optical properties of Eu-doped Zn(Mg)O/Cd(Zn)O superlattices		
11:45	<b>11.4</b>	Juby Alphonsa Mathew	Europium-doped ZnMgO alloy as perspective material for red light sources		
12:00	<b>Q &amp; A 11</b>				
12:15	<b>Coffee break</b>				
12:30	<b>12.1.</b>	Russel Kajouri	Unidirectional Droplet Propulsion onto Gradient Brushes Without External Energy Supply	<b>DROPLETS</b>	<b>Amar Fakhredine</b>
12:45	<b>12.2.</b>	Kwasi Nyandey	Tracking the evolution of radius of levitated shrinking micro-droplet: an exercise in deep learning		
13:00	<b>12.3.</b>	Luis Carnevale da Cunha	Thermal fluctuation driven breakup and formation of satellite droplets		
13:15	<b>Q &amp; A 12</b>				
14:00-15:15	<b>Lunch</b>				
15:30	<b>13.1.</b>	Muhammed AKTAS	P-Cladding Layer Utilizing Polarization Doping for Nitride Emitter	<b>EMITTERS AND SENSORS</b>	<b>Joanna Olas</b>
15:45	<b>13.2.</b>	Aleksandr Cherniadev	Integrated CMOS Resonator-Based Sensing for the THz frequency range		
16:00	<b>13.3.</b>	Oliwia Golyga	Ion implantation and electrochemical etching as steps towards DFB lasers		
16:15	<b>Q&amp;A 13</b>				
17:00	<b>DEPARTURE</b>				