

(04) Graphene and Analogues

Co-chairs

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(01) Graphene and Analogues

DETAILED PROGRAMME

Monday : 12-12-2016

Session I : 10.15-11.45 hrs

10.15-10.45 Invited Talk (1)	<u>Yuhei Hayamizu</u>	ABS-645-ICYRAM Engineering of Bio-Nano Interfaces on 2D Nanomaterials by Self-Assembled Peptides
10.45-11.15 Invited Talk (2)	<u>Rahul Nair</u>	ABS-Email-ICYRAM
11.15-11.30 Oral (1)	<u>Abhishek Banerjee</u> Abhishek Rai Kunjalata Majhi Sudipta Roy Barman R Ganesan P S Anil Kumar	ABS-444-ICYRAM Intermediate stages of surface state formation and collapse of topological protection to transport in Bi ₂ Se ₃
11.30-11.45 Oral (2)	<u>Harneet Kaur</u> Ritu Srivastava	ABS-574-ICYRAM Large Area Fabrication of Semiconducting Phosphorene by Langmuir-Blodgett Assembly

Monday : 12-12-2016

Session II : 12.00-13.15 hrs

12.00-12.30 Invited Talk (3)	<u>Anindya Das</u>	ABS-Email-ICYRAM
12.30-12.45 Oral (3)	<u>Syed Ghazi Sarwat</u> Jan Mol Harish Bhaskaran	ABS-605-ICYRAM Graphene Nano-gaps: Performance limit and Phase Change Memory Devices
12.45-13.00 Oral (4)	<u>M.Srinivaas</u> Jyh Ming Wu	ABS-550-ICYRAM Two dimensional Nanomaterials and their Piezoelectricity
13.00-13.15 Oral (5)	<u>Shaymasree Gupta</u> Chatterjee, Sayan Dey Dhrubajyoti Samanta Sumita Santra Somenath Chatterjee Prasanta K. Guha Amit K. Chakraborty Ajoy K.Ray	ABS-722-ICYRAM A Facile Solid-state Synthesis of Graphene/ SnO ₂ Nanocomposite for NO _x Gas Sensing at low temperature

Tuesday : 13-12-2016
Session III : 10.15-11.45 hrs

10.15-10.45 Invited Talk (4)	<u>Takaaki Taniguchi</u> Minoru Osada Kazuto Hatakeyama Yasumichi Matsumoto	ABS-421-ICYRAM Engineering Function Groups in Graphene Oxide
10.45-11.15 Invited Talk (5)	<u>Manu Jaiswal</u>	
11.15-11.30 Oral (6)	<u>V. Akshaya Shiva</u> Reghu Menon	ABS-598-ICYRAM Low Temperature Electronic Transport in Flexible Conductive Graphene Paper
11.30-11.45 Oral (7)	<u>Nihit Saigal</u> Vasam Sugunakar Sandip Ghosh	ABS-98-ICYRAM Aspects of electronic structure of bulk and monolayer MoS ₂ from optical spectroscopy studies

Tuesday : 13-12-2016
Session IV : 12.00-13.15 hrs

12.00-12.30 Invited Talk (6)	<u>K V Adarsh</u>	
12.30-12.45 Oral (8)	<u>Shivani Sharma</u> Shubham Bhagat Ravi Chand Singh Sandeep Sharma	ABS-476-ICYRAM Excitation dependent photoluminescence from WS ₂ quantum dots prepared via top-down approach
12.45-13.00 Oral (9)	<u>Abdus Salam Sarkar</u> Suman Kalyan Pal	ABS-497-ICYRAM Nanoscale Polymer Grafted-MoS ₂ for Optoelectronic Applications
13.00-13.15 Oral (10)	<u>Soumalya Mukherjee</u> M.V.N. Uma Mahesh Edamana Prasad Anju Chadha	ABS-334-ICYRAM Controlling Photo-luminescence from Nitrogen Functionalized Carbon Dots through Hydrogen Bonding

Tuesday : 13-12-2016
Session V : 14.15-15.45 hrs

14.15-14.45 Invited Talk (7)	<u>Kaushik Majumdar</u>	
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14.45-15.15 Invited Talk (8)	<u>Debjeni Karmakar</u>	ABS-Email-ICYRAM Modelling Device Aspects of Graphene Analogous systems
15.15-15.30 Oral (11)	<u>Rakesh Kumar</u> Deepak Varandani B. R. Mehta D. Kanjilal	ABS-250-ICYRAM Nanoscale VOC mapping of Graphene/Silicon solar cell using KPFM technique
15.30-15.45 Oral (12)	<u>Christie Thomas Cherian</u> Kun Huang Rahul Raveendran-Nair	ABS-Email-ICYRAM Bio-inspired super-wetting interfaces with two-dimensional materials

Tuesday : 13-12-2016

Session VI : 16.00-18.00 hrs

16.00-16.30 Invited Talk (9)	<u>Jayakumar Balakrishnan</u> Pranay Ranjan Tulika Ranjit Laha	ABS-Email-ICYRAM Au Concentration Dependent Quenching of Raman 2D-peak in Graphene
16.30-17.00 Invited Talk (10)	<u>Kedar Hippalgaonkar</u>	ABS-Email-ICYRAM Thermoelectric Physics in 2D Materials
17.00-17.15 Oral (13)	<u>Shivani Dhall</u> Mansavi Kumar Mehar Bhatnagara Bodh Raj Mehta	ABS-657-ICYRAM Graphene-Pd/SnO ₂ composites for the application of gas sensor: Role of Graphene- nanoparticles interfaces
17.15-17.30 Oral (14)	<u>Lijin George</u> Manu Jaiswal	ABS-703-ICYRAM Effect of carbon supersaturation and substrate crystallinity on chemical vapour deposition of graphene
17.30-17.45 Oral (15)	<u>Lipeeka Rout</u> Aniket Kumar L Satish Achary Pradyumna Kumar Priyabrat Dash	ABS-33-ICYRAM Bimetallic Nanoparticle Anchored Graphene Oxide as an Efficient Catalyst for Reduction of P-Nitrophenol

Poster Session:

Monday: 12.12.2016, 14.15-17.15 hrs

04-Poster -01	Poonam R Kharangarh Gurmeet Singh	ABS-38-ICYRAM An efficient Pd(II)-DHBP@RGO catalyst: Synthesis, Characterization and Catalytic application in Suzuki Coupling Reaction
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04-Poster -02	A.Ghorai , A.Midya S.Mukherjee , R.Maiti S.K.Ray	ABS-120-ICYRAM Hydrothermal growth of 2H MoS ₂ for heterojunction photodetection and visible light induced photo catalytic activity
04-Poster -03	Monalisa Ghosh Nagaraju Sykam G. Mohan Rao	ABS-158-ICYRAM Study of water contact angle and its variation with change in deposition parameters for vertically aligned graphene nanosheets
04-Poster -04	Nagaraju Sykam G. Mohan Rao	ABS-163-ICYRAM Microwave Exfoliation of Graphite for Environmental Applications
04-Poster -05	S. Biswas, S. Mukherjee A. Ghorai , A. Midya S. Das, S. K. Ray	ABS-236-ICYRAM Chemically Exfoliated Metallic MoS ₂ layers for transparent electrode
04-Poster -06	Raj Deep	ABS-266-ICYRAM An Advanced Catalytic action for the Hydrogen Evolution Reaction on Rgo and ZnO nanoparticle composite
04-Poster -07	K. Thiyagarajan K. Sivakumar	ABS-282-ICYRAM Anomalous behaviour of magnetic coercivity in three dimensional Graphene networks
04-Poster -08	Kinshuk Dasgupta Manishkumar Yadav Amit Srivastava J. B. Joshi, D. Srivastava	ABS-324-ICYRAM Substrate-free synthesis of graphene by floating catalyst method towards application as H ₂ O ₂ sensor
04-Poster -09	Anirban Kundu Renu Rani Kiran S Hazra	ABS-337-ICYRAM Graphene Oxide Demonstrates Experimental Confirmation of Abraham Pressure on Solid Surface
04-Poster -10	I. Sharma K. M. Subhedar S. R. Dhakate	ABS-378-ICYRAM Improved growth of Graphene via partial absence of Hydrogen during CVD Growth
04-Poster -11	Abhishek Banerjee Oindrila Deb Kunjalata Majhi R. Ganesan Diptiman Sen P. S. Anil Kumar	ABS-447-ICYRAM Granular topological insulators
04-Poster -12	T. Kavinkumar P. P. Rameez S. Manivannan	ABS-473-ICYRAM Effect of ultraviolet and infrared irradiation on electrical properties of graphene oxide

04-Poster -13	Keerti Kaushik Pal	ABS-498-ICYRAM Behavior of doping on GO based resistive type humidity sensor
04-Poster -14	Levna Chacko, M. Jasna M. K. Jayaraj P.M. Aneesh	ABS-510-ICYRAM Magnetic Ordering and Photoluminescence of Hydrothermally Grown MoS ₂ Nanoflakes
04-Poster -15	Rahul Kumar Alka Sharma Sudhir Husale	ABS-542-ICYRAM Application of Plasmonic Nanostructures in Enhancing the Performance of Photo-detectors Based on Few Layer Molybdenum Disulfide (MoS ₂) Films
04-Poster-16	Goverdhan Reddy Turpu S.K.Srivastava P.Rambabu, Pradip Das	ABS-547-ICYRAM Boron – Carbon chains in Boron Oxide – Graphene Oxide composites
04-Poster -17	P. R. Shaina M. Jaiswal	ABS-671-ICYRAM Probing the Snap-through Transition in Graphene Using Raman Spectroscopy and Charge Transport Studies
04-Poster -18	Prasad V. Sarma Chandra Sekhar Tiwary Sruthi Sudheep Pulickel M. Ajayan Manikoth M. Shaijumon	ABS-695-ICYRAM Superior HER performances from WS ₂ metallic nanoparticles compared to 1T and 2H sheets
04-Poster -19	G.M.Rajguru P.N.Sonone G.P.Save, A.V.Mitkari A.U.Ubale	ABS-745-ICYRAM Characterization of Graphene Synthesized by Simple and Economical Chemical Route
04-Poster -20	M. Suresh Parameshwar Kommu Raj Bahadur Singh	ABS-749-ICYRAM Coprinol: Phenolic Sesquiterpene for the Green Synthesis of Graphene
04-Poster -21	Bijayalaxmi Panda	ABS-Email-ICYRAM Preparation of Novel La ₂ O ₃ -RGO/TiO ₂ composite with high photocatalytic activity for methylene orange dye under direct sunlight
04-Poster -22	Pooja D, Baban Bansod Manoj K. Nayak	ABS-Email-ICYRAM 0-D Carbon Quantum Dots for Highly Sensitive and Selective Heavy Metalloids Sensing
04-Poster -23	Shital Patangrao Pawar Suryasarathi Bose	ABS-Email-ICYRAM EMI shielding materials derived from polymeric blends containing multiwall carbon nanotubes and nickel decorated graphene oxide sheets

04-Poster -24	Pranoti Kshirsagar Monika Fleischer Claus J. Burkhardt	ABS-Email-ICYRAM Towards the Development of Transparent Graphene Micro Electrode Arrays
04-Poster -25	Suguna Perumal Hyang Moo Lee In Woo Cheong	ABS-Email-ICYRAM Dispersion of Graphene Nanoplatelets using Amphiphilic Block of Copolymers