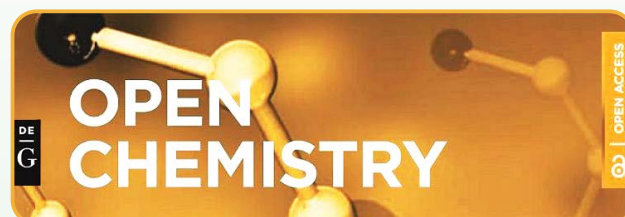


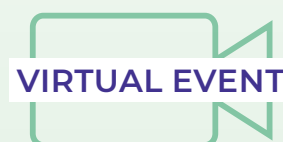
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# DAY 01

## MONDAY, MARCH 13



### KEYNOTE PRESENTATIONS

**Moderator** Sangeeta Tiwari, Amity University Noida, India

GMT Timings	Local Timings	
09:30-10:00		<b>AV Check</b>
10:00-10:10		<b>Opening Ceremony</b>
10:10-10:50	12:10-12:50	<b>Leelakrishna Reddy, University of Johannesburg, South Africa</b> Title: A review of narrow band ultraviolet -B light emissions in Gd <sup>3+</sup> activated phosphor host materials
10:50-11:30	12:50-13:30	<b>Lidia Benea, Dunarea de Jos University of Galati, Romania</b> Title: Improving the surface properties of materials and biomaterials by electrochemical methods

### ORAL PRESENTATIONS

11:30-11:50	19:30-19:50	<b>Masahiro Ikeda, National Institute of Technology, Japan</b> Title: Mechanism of ionic conduction in AgI-based superionic conducting glasses: A relation between charge
11:50-12:10	19:50-20:10	<b>Adriel Tan Yan Sheng, University of Nottingham, Malaysia</b> Title: Titanium carbide: A new 2D material for photoelectrochemical biosensors
12:10-12:30	13:10-13:30	<b>Joanna Wycislik Sosnierz, Upper Silesian Institute of Technology, Poland</b> Title: Fume hazard during laser and hybrid welding of stainless steel
12:30-12:50	20:30-20:50	<b>Soban Muddassir Dar, Jiangu University, China</b> Title: External fields assisted synthesis of high performance aluminum matrix composites
12:50-13:10	20:50-21:10	<b>Bing Bai, Beijing Jiaotong University, China</b> Title: Cotransport of heavy metals and suspended particles at different temperatures by seepage in porous materials
13:10-13:30	14:10-14:30	<b>Roberta Cappabianca, Politecnico di Torino, Italy</b> Title: Towards a more rational design of polymer-based coating of gold nanoparticles
13:30-13:50	19:00-19:20	<b>Milind Bhandare, Mahatma Phule Mahavidyalaya Pimpri Pune University, India</b> Title: Interdependence of morphological electrical and magnetic properties of Cu-substituted Ni-Zn-Mg nano-crystalline ferrite
13:50-14:10	19:20-19:40	<b>Khalid Sultan, Central University of Kashmir, India</b> Title: Oxygen vacancies based modifications in properties of Sr doped Nd <sub>2</sub> NiMnO <sub>6</sub>





## KEYNOTE PRESENTATIONS

14:10-14:50	09:10-09:50	<b>Yong Teng, Emory University, United States</b> Title: The strategies and promise of nanoparticle-based target therapeutics in head and neck cancer
14:50-15:30	09:50-10:30	<b>Thomas Webster, Interstellar Therapeutics, United States</b> Title: Nano implants: Human clinical success in the spine

## ORAL PRESENTATIONS

15:30-15:50	21:00-21:20	<b>Chandan Maity, Vellore Institute of Technology, India</b> Title: Control over self-assembly towards smart material formation
15:50-16:10	21:20-21:40	<b>Yogesh Kumar Sharma, Pt. L.M.S.Sri Dev Suman Uttarakhand University Campus, India</b> Title: Spectroscopic analysis of rare earth ions doped nanomaterial
16:10-16:30	21:40-22:00	<b>Thangavel Ponrasu, Indian Institute of Technology Madras, India</b> Title: Jelly fig polysaccharide based biocompatible hydrogel loaded with lauric acid for wound tissue regeneration: An in vitro study
16:30-16:50	19:30-19:50	<b>Seongwoo Woo, Addis Ababa Science &amp; Technology University, Ethiopia</b> Title: Improving the reliability design of mechanical systems such as refrigerator
16:50-17:10	20:20-20:40	<b>Saman Momeni, Sharif University of Technology, Iran</b> Title: Damped response of sandwich composite structures integrated with MR fluid under Impulse loading
17:10-17:30	19:10-19:30	<b>Samy Abdel Hakim Abdel Hamid Elsayed, Beni Suef University, Egypt</b> Title: Inside the electron, a tentative theory about the electron nature
17:30-17:50	17:30-17:50	<b>Diogo Santos, Instituto Superior Tecnico, Portugal</b> Title: Polyoxometalates as electrocatalysts for rechargeable metal-air batteries
17:50-18:10	18:50-19:10	<b>Francisco J Pallares, ICITECH Universitat Politecnica de Valencia, Spain</b> Title: Seismic isolator for masonry infills to reduce dynamic interaction with RC frames and steps towards a more environmental friendly design

# DAY 02

## TUESDAY, MARCH 14



### KEYNOTE PRESENTATIONS

**Moderator** Marianna Rotilio, University of L'Aquila, Italy

GMT Timings	Local Timings	
09:30-10:00		<b>AV Check</b>
10:00-10:40	10:00-10:40	<b>Bala Vaidyanathan, Loughborough University, United Kingdom</b> Title: 2D/3D Manufacture of advanced ceramics for demanding applications
10:40-11:20	11:40-12:20	<b>Fiqiri Hodaj, University of Grenoble Alpes, France</b> Title: Joining of ceramic materials by brazing: Relations between wetting, reactivity and interface microstructure
11:20-12:00	13:20-14:00	<b>Dror Malka, Holon Institute of Technology, Israel</b> Title: Combining SiN MMI waveguides based on slot waveguide technology

### ORAL PRESENTATIONS

12:00-12:20	20:00-20:20	<b>Maoyan Wang, University of Electronic Science and Technology of China, China</b> Title: Probing chiral biomolecules based on a surface plasmon resonance sensor
12:20-12:40	21:20-21:40	<b>Ji Young Shin, Nagoya University, Japan</b> Title: Exploration of secondary batteries with porphyrinoid electrode materials
12:40-13:00	13:40-14:00	<b>Palivan Cornelia, University of Basel, Switzerland</b> Title: Clusters of catalytic bio-nanocompartments for applications in biomedicine
13:00-13:20	14:00-14:20	<b>Marianna Rotilio, University of L'Aquila, Italy</b> Title: Smart and green panels for energy transition
13:20-13:40	14:20-14:40	<b>Bernard Laurent, CEA Grenoble, France</b> Title: Thermotropic ionic liquid crystals: Self-assembled single-ion conductors for lithium batteries
13:40-14:00	14:40-15:00	<b>Michal Urbanczyk, Lukaszewicz Research Network Institute of Welding, Poland</b> Title: The welding of two-layer (composite) tubes with the use of laser technology
14:00-14:20	19:30-19:50	<b>Aluri Sai Sree Sarayu, Chaitanya Bharathi Institute of Technology, India</b> Title: General processing characteristics of low temperature co-fired ceramic (LTCC) technology and the creation of 3-D structures for micro-fluidic devices
14:20-14:40	15:20-15:40	<b>Andreu Martinez Hernandez, University General Hospital of Castellon, Spain</b> Title: Stent management of leaks after bariatric surgery: A systematic review and meta-analysis



**Sergey Ivashov, Bauman Moscow State Technical University, Russian Federation**  
14:40-15:00 17:40-18:00 Title: MW holography application for NDT of composite materials in aerospace industry

**Eugeny M Pestryaev, Ufa State Petroleum Technological University, Russian Federation**  
15:00-15:20 20:00-20:20 Title: The cage effect and the frenkel line in the phase diagram

**Tushar R Dandekar, Indian Institute of Technology, India**  
15:20-15:40 20:50-21:10 Title: Effect of microstructure and texture on the evolution of mechanical properties in a cold rolled and annealed UNS S32101 lean duplex stainless steel sheet

**M Senthil Kumar, Indian Institute of Technology, India**  
15:40-16:00 21:10-21:30 Title: Magnetotransport properties of metal-silicon multilayers

**Yusuf Ali Abdulle, Salaam University, Somalia**  
16:00-16:20 19:00-19:20 Title: A novel protein elicitor extracted from lecanicillium lecanii Induced resistance against whitefly, Bemisia

**Shahnaz Ghasemi, Sharif University of Technology, Iran**  
16:20-16:40 19:50-20:10 Title: An overview of heterogenous photocatalysts and their application in wastewater treatment: Reactor design and operational conditions

**Barbara Flora, Tor Vergata University of Rome, Italy**  
16:40-17:00 17:40-18:00 Title: Strategies of additive manufacturing in cranioplasty

## KEYNOTE PRESENTATION

**Ephraim Suhir, Portland State University, United States**  
17:00-17:40 09:00-09:40 Title: Avoiding low cycle fatigue conditions in solder material of IC packages

# DAY 03

## WEDNESDAY, MARCH 15

### KEYNOTE PRESENTATIONS

**Moderator** Marianna Rotilio, University of L Aquila, Italy

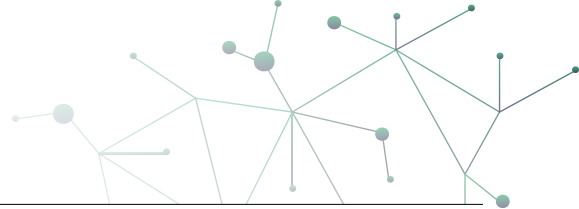
GMT Timings	Local Timings	
09:30-10:00		<b>AV Check</b>
		<b>Osman Adiguzel, Firat University, Turkey</b>
10:00-10:40	13:00-13:40	Title: Lattice reactions governing reversibility and pseudoelasticity in shape memory alloys
		<b>Yarub Al Douri, American University of Iraq Sulaimani, Iraq</b>
10:40-11:20	13:40-14:20	Title: Engineering applications of nanotechnology

### ORAL PRESENTATIONS

		<b>Vladislav Bogdanov, Progressive Research Solutions, Australia</b>
11:20-11:40	22:20-22:40	Title: About problem of plane strain state of two-layer body in dynamic elastic-plastic formulation
		<b>Juan A Mateu Sanchez, Universitat Politecnica de Valencia, Spain</b>
11:40-12:00	12:40-13:00	Title: Testing methods for the assessment of prestressed concrete members
		<b>Prabha Samudre, Indian Institute of Science, India</b>
12:00-12:20	17:30-17:50	Title: Development of high strength aluminium matrix composites using Accumulative Roll Bonding (ARB)
		<b>Mobil Kazimov, Ministry of Science and Education Republic of Azerbaijan, Azerbaijan</b>
12:20-12:40	16:20-16:40	Title: X-ray and morphological analysis of InAs-CrAs eutectic systems
		<b>Evgeny Grigoryev, Merzhanov Institute of Structural Macrokinetics and Materials Science Russian Academy of Sciences, Russian Federation</b>
12:40-13:00	15:40-16:00	Title: Advances of high-voltage consolidation of powder materials
		<b>Govind Gupta, CSIR-National Physical Laboratory, India</b>
13:00-13:20	18:30-18:50	Title: Fabrication of detectors based on semiconductor heterostructures for optical communication

### POSTER PRESENTATIONS

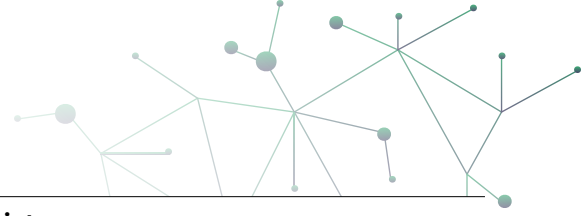
		<b>Parashchuk Valentin Vladimirovich, Stepanov Institute of Physics of NASB, Belarus</b>
13:20-13:30	16:20-16:30	Title: On transformation of the spatial characteristics of diode lasers radiation



13:30-13:40	20:30-20:40	<b>Omar, Novosibirsk State University of Architecture and Civil Engineering Sibstrin, Russian Federation</b> Title: Compressive strength and deformability of masonry made ceramic blocks
13:40-13:50	15:40-15:50	<b>Pyshyev Serhiy, Lviv Polytechnic National University, Ukraine</b> Title: Study of optimal conditions for extraction by toluol and humic acids from lignite
13:50-14:00	18:50-19:00	<b>Hira Ijaz, Pak Austria Fachhochschule Institute of Applied Science and Technology, Pakistan</b> Title: Thiolation of arabinoxylan and its application in the fabrication of pH: Sensitive thiolated arabinoxylan grafted acrylic acid copolymer
14:00-14:10	17:30-17:40	<b>Zeinab Sanaee, University of Tehran, Iran</b> Title: Prelithiation of silicon based nanomaterial anode for lithium ion battery application
14:10-14:20	19:40-19:50	<b>Ravi Kikar Sinha, A Private Indian Researcher, India</b> Title: Production of cold light by application of force
14:20-14:30	17:50-18:00	<b>Zeinab Sanaee, University of Tehran, Iran</b> Title: Synthesis of silicon nanowires as a high performance anode material for lithium ion batteries
14:30-14:40	20:00-20:10	<b>Ravi Kikar Sinha, A Private Indian Researcher, India</b> Title: Innovation in submarine design

## ORAL PRESENTATIONS

14:40-15:00	20:10-20:30	<b>S Thirugnanasambandam, Annamalai University, India</b> Title: Route to geopolymer concrete through cement replacement
15:00-15:20	17:00-17:20	<b>Lebogang Manamela, University of Pretoria, South Africa</b> Title: Evaluation of cellulose acetate supported MOF-5/crystalline nanocellulose nanocomposite as an adsorbent for methylene blue removal from water
15:20-15:40	20:50-21:10	<b>Dipak Kumar Maiti, Indian Institute of Technology Kharagpur, India</b> Title: Stochastic aeroelastic response of variable stiffness laminated composite plates
15:40-16:00	21:10-21:30	<b>Sangeeta Tiwari, Amity University Noida, India</b> Title: Functional nano fibrous mats for removal of toxic contaminants from water
16:00-16:20	21:30-21:50	<b>Arun Kumar Singh, Guru Ghasidas Vishwavidyalaya, India</b> Title: Modification in the electronic properties of CVD grown SLG by deposition of thin transparent conducting polymer

**Najam Ul Hassan, University of Education, Pakistan**

16:20-16:40

21:20-21:40

Title: Structural, martensitic and magnetic properties of NiMnCoTi ferromagnetic shape memory alloys

**Uroosa Ejaz, Shaheed Zulfikar Ali Bhutto Institute of Science and Technology, Pakistan**

16:40-17:00

21:40-22:00

Title: Fabrication of methylcellulose/polyvinyl alcohol as porous composite

**Fatemeh Shariati, Lahijan Branch Islamic Azad University, Iran**

17:00-17:20

20:30-20:50

Title: The acute toxicity of tin dioxide nanoparticles on scenedesmus dimorphus and chlorella vulgaris algae

**Ahmad Al Abdulqader, Saudi Aramco, Saudi Arabia**

17:20-17:40

20:20-20:40

Title: Vessels conditional R&A

**Mahesh Anil Naik, Defence Institute of Advanced Technology, India**

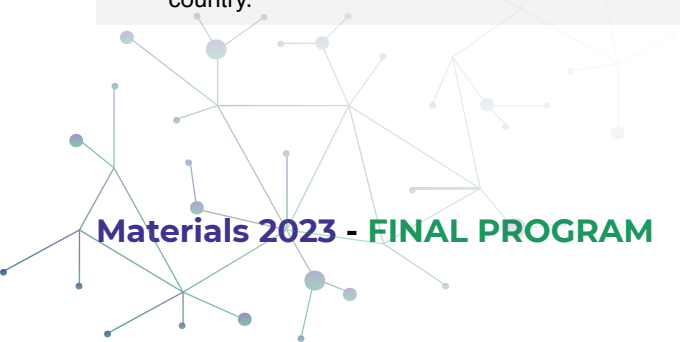
17:40-18:00

01:40-02:00

Title: Experimental investigation of the effect of fiber orientation and sliding speed on wear properties of additively manufactured continuous GFRP composites

**Note:**

- Sometimes there may be small changes in the program due to technical problems or presenters not showing up. To avoid missing any presentations, all presenters are asked to be available for the entire day of their presentation.
- When the program refers to “Local Timings,” it means that the timing mentioned is based on the time zone of the presenter’s country.





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