



International Conference on Materials Science and Graphene Technology

Scientific Program



**SPEAKER SLOTS
AVAILABLE**

Venue:

●
**Hotel Holiday Inn Express
Airport Road, Dubai International
Airport,
Near Terminal 3
Dubai, United Arab Emirates**

Contact Us: materialscience@citationinternational.com

**April 09-11, 2018
Dubai, UAE**

Media Partners:

Chairman Of The Conference

Daniel Choi

Chair of the International Conference on Materials Science and Graphene Technology 2018

Masdar Institute of Science and Technology A Part of Khalifa University of Science and Technology

WELCOME TO MATERIALS SCIENCE AND GRAPHENE TECHNOLOGY CONFERENCE

It is my great pleasure and honor to extend to you a warm invitation to attend **the International Conference on Materials Science and Graphene Technology** hosted by the Citations International, in Joint collaboration with Pan Asian Clinical Research Association (PACRA), to be held in April 09-11, 2018 in Dubai, United Arab Emirates.

The theme of the International Conference on Materials science and Graphene Technology 2018 *'Revolutionizing the New Horizon in Materials Science and Graphene Research – Investing in Scientific Research and Education'* will under spin the need for collaboration and cooperation of individuals from a wide range of professional backgrounds.

Dubai is an exceptional location for the conference. It is renowned for its distinctive architecture. This busy metropolis invigorates visitors with a unique energetic atmosphere, outstanding Tourists attraction such as Burj Khalifa, which attracts tourists from across the globe, cultural events, international cuisine, and non-stop active nightlife.

The International Conference on Materials Science and Graphene Technology 2018 is sure to provide a wonderful forum for you to refresh your knowledge base and explore the innovations in Materials Science and Graphene Technology. The conference will strive to offer plenty of networking opportunities, providing you with the opportunity to meet and interact with the leading scientists and researchers, educators, friends and colleagues as well as sponsors and exhibitors.

We would also like to encourage you and your research group(s) to submit papers/abstracts to International Conference on Materials Science and Graphene Technology 2018 and distribute the call for paper/abstracts of this conference as well. Your work in this field will be left a great imprint in the research field. We would like to use our event to bring the spotlight on your achievements.

I hope you will join us for the symphony of outstanding science and engineering as well as taking a little extra time to enjoy the spectacular and unique beauty of this region.

Yours sincerely,



Daniel Choi

Chair of the International Conference on Materials Science and Graphene Technology 2018
Masdar Institute of Science and Technology A Part of Khalifa University of Science and Technology



Day 1: Program

General Session: Introduction 09:00-09:20

Chairman Presentation

9:20AM-09:45AM **Prof. Daniel Choi**
Masdar Institute of Science and Technology, Dubai
Topic: “New Carbon Allotropes: Novamene and Protomene as Future Advanced Carbon-based Nanomaterials

Plenary Session

9:50AM-10:15AM **Prof. Leszek Adam Dobrzański,**
President World Academy of Materials and Manufacturing Engineering (WAMME), Gliwice, Poland
Topic: “Effect of the biocompatible thin films on the properties of the skeleton materials fabricated by selective laser sintering for medical and dental application ”

Coffee Break 10:05 AM-10:15AM

Session 1

Key Note Session

10:20-10:45 **Prof. Karl Ulrich Kainer**
Helmholtz Centre Geesthacht, Centre for Materials and Coastal Research , Geesthacht , Germany
Topic: The Issue with Magnesium Materials: Why this Materials Class Still Is Waiting for the Breakthrough

10:50-11:15 **Prof. Jae-Jin Shim**
Yeungnam University, South Korea
Topic : Graphene and Metal Oxide or Sulfide Nanocomposites for Energy Storage and Photocatalysis

Session 2

Speaker Sessions

11:20-11:40 **Prof. Fawad Inam**
Northumbria University, Newcastle, UK
Topic : Carbon Nanotube reinforced thermoplastic nanocomposites with superior production economics for oil/ gas applications

11:45AM-12:05PM **Prof. Mirosław Kwiatkowski**
AGH University of Science and Technology, Poland
Topic : Complex Analysis of The Porous Structure of Activated Carbons Prepared from Biomass Waste Materials by Carbonization and Activation with Potassium Hydroxide

12:10-12:30 **Prof. Basma El Zein**
University of Business and Technology,
Topic : Flexible quantum dots sensitized solar cells

12:35-12:55 **Mr. Krzysztof Wiczerzak**
AGH University of Science and Technology, Poland
Topic : Chemical segregation and magnetic world in selected metastable hypoeutectic iron-based alloys

Lunch Break 01:00 PM-02:00PM

02:05-02:25 **Prof. Zoia Duriagina**
Lviv Polytechnic National University, Lviv, Ukraine
Topic : Influence of femtosecond laser irradiation on the morphology of Fe–Cr–N–Mn steel surface

Day 1: Program

- 02:30-02:50** **Dr. Oudjertli Salah**
University of Badji Mokhtar Annaba, Algeria
Topic : Properties of Carbon Nanotubes
- 02:55-03:15** **Prof. Emad A. Badawi**
University of Mania, Egypt.
Topic : Nuclear Technique (PAT) Challenge (XRD & HV) Techniques for Probing Properties of Material Science (Aluminum Alloy)
- 03:20-03:40** **Prof. M. A. Abdel-rahman**
University of Mania, Egypt.
Topic : Techniques (PAL-XRD) for Detecting Grain Size in (6082 heat- treatable Al Alloy)
- 03:45-04:05** **Prof. S. A. Aly**
University of Mania, Egypt.
Topic : Study Effect of Plastic Deformation by Vickers Hardness on 1070, 6082 & 6063 Al Alloy

Coffee Break 04:10PM-04:20PM

- 04:25-04:45** **Prof. Mehmet Egilmez**
American University of Sharjah, U.A.E
Topic : Probing the Subtle Magnetic Order with Raman Spectroscopy in a Layered Manganite Single Crystal
- 04:50-05:10** **Asst. Prof. Toumi Arwa**
Naval Academy Of Tunisia , Tunisia
Topic : Effect of heat and welding parameters in the microstructure evolution of modified 9Cr 1Mo steel
- 05:15-05:35** **Prof. Laurent Chaput**
University of Lorraine, France
Topic : Ab initio calculations of the lattice thermal conductivity and the discovery of new thermoelectric materials
- 05:40-06:00** **Prof. Lavinia Balan**
Institute of Materials Science Mulhouse, France
Topic : Light-assisted synthesis of metal nanoparticles and nanocomposites: an efficient green approach to obtain smart nanomaterials
- 06:05-06:25** **Ms. Suchetha M**
Bangalore University, Karnataka, India
Topic : Studies on Si Nanoparticles from Cymbopogon flexuosus - Role in Herbal tea

END FOR THE DAY

Day 2: Program

Session 3

Key Note Session

09:00AM-09:25AM	Prof. Suprakas Sinha Ray DST-CSIR National Centre for Nanostructured Materials, Pretoria, South Africa Topic : Graphene oxide-containing biocomposite for thermal management applications
09:30-09:55	Prof. Nezar H. Khedary King Abdulaziz City for Science and Technology (KACST), Saudi Arabia Topic : Sequestration of Carbon Dioxide using Metal Nanoparticles
10:00-10:25	Prof. Sayyad Zahid Qamar Sultan Qaboos University, Muscat, Oman Topic : Swelling Elastomers in Petroleum Drilling Operations: Comparison of Material Models

Coffee Break 10:30PM-10:40PM

Session 4

Speaker Sessions

10:45-11:05	Prof. Demian I. Njoku Chinese Academy of Sciences, China Topic : The fabrication of advanced multi-functional protective organic coatings based on polyelectrolytes encapsulated nanotubes filled with active agents
11:10-11:30	Prof. M.M.S. Sanad Central Metallurgical Research & Development Institute, Cairo, Egypt Topic : Effect of Vanadium, Chromium or Cobalt ions Doping on Physical, Magnetic and Electrochemical Properties of High Voltage LiNi_{0.5}Mn_{1.5}O₄ Cathode Materials for Li-ion batteries
11:35-11:55	Prof. M. K. El Fawkhry Central Metallurgical Research & Development Institute, Cairo, Egypt Topic : Optimization of Shape Memory Effect in Fe-Based Shape Memory Alloys by Modification of Solution Treatment Temperature
12:00PM-12:20PM	Prof. Lovely P. Mathew Mahatma Gandhi University, Kerala, India Topic : Studies on the Morphological and Wetting properties of Poly(trimethylene terephthalate (PTT)/ Multi walled carbon nanotube (MWCNT) Nanocomposites
12:25-12:45	Mr. Abdulaziz Almutairi Saudi Aramco Company, Saudi Arabia Topic : Piezoelectric effect on Self-Folding Shape Memory Laminates
12:50-01:10	Asst. Prof. Nadya Stankova Bulgarian Academy of Sciences, Sofia, Bulgaria Topic : Laser assisted modification of biocompatible polymers relevant to neural interfacing technologies

Lunch Break 01:15 PM-02:15PM

2:20-2:40	Prof. Zoia Duriagina Lviv Polytechnic National University, Lviv, Ukraine Topic : Relationships between the fatigue crack growth resistance characteristics of a steel and the tread surface damage of railway wheel
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Day 2: Program

- 02:45-03:05** **Prof. M .S TarekA.Abd El-Baky**
Cairo University, Giza, Egypt
Topic : Comparative study of bean growth using traditional and nanophosphate fertilizers
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- 03:10-03:30** **Prof. Sunil Lamichhane**
Topic : A possible Spin-Orbit coupling Assisted Semiconductor ALaNiOsO6 (A=Sr, Ba)
- 03:35-03:55** **Asst. Prof. Pheerawat Plangoen**
Siam University, Thailand
Topic : The Development of Irrigation Ditch Mix with Rubber Latex for Farm Irrigation System
- 04:00-04:20** **Prof. Rana Mukherji**
ICFAI University, Jaipur, India
Topic : Empirical Assessment on influence of H₂sintering on Fe doped ZnO

Coffee Break 04:20PM:04:30PM

- 04:35-04:55** **Prof. Johan F Prin**
Academy for Physics Reality, Johannesburg , South Africa
Topic : A Possible, Rational Model for a Perfect, n-Type Schottky-Diode
- 05:00-05:20** **Prof. E.E.Abel-Hady**
Minia University, Minia, Egypt
Topic : Synthesis and Evaluation of Low Cost Nanofibers Catalyst for Fuel Cell Applications
- 05:25-05:45** **Prof. M. A. AbdelKawy**
Central metallurgical research and development institute (CMRDI), Cairo, Egypt
Topic : K-M Reactor, New Technology for Core shell Materials
- 05:50-06:10** **Prof. Elias**
Dr Tahar Moulay University of Saida, Algeria
Topic : Studies by simulation (BCA) of Frenckel pairs and impurities in Tantalum

END FOR THE DAY

Day 3: Program

Session 5

Key Note Session

09:00AM-09:25AM	Prof. Venkatramanan K SCSVMV UNIVERSITY, Kanchipuram, India Topic : Ultrasonic and molecular interaction studies on few nano fluids with a focus on cost effective instrumentation techniques
09:30-09:55	Prof. Muataz A. Hussien Hamad bin Khalifa University, Doha, Qatar Topic : Carbon Nanotubes Nanofluids For Solar Desalination

Coffee Break 10:00PM-10:10PM

Session 6

Speaker Sessions

10:15-10:35	Prof. Ajay Kumar Mishra University of South Africa, South Africa Topic : Present and future scope of composites towards wastewater remediation
10:55-11:15	Prof. F. Meydaneri Tezel Karabuk University, Karabük, Turkey Topic : Synthesis And Supercapacitor Behavior Of Go/V2o5thin Films
11:20-11:40	Prof. Ibrahim E. EL-Seesy King Khalid University , Saudi Arabia Topic : Solar Disinfection of Water with Nano-Titanium Dioxide
11:45AM-12:05PM	Prof. Vincent Joseph Garcia University of the Philippines , Philippines Topic : Photocatalytic properties of silver-loaded hydrothermaltitania(TiO2) nanotubes
12:10-12:30	Prof. Amraoui Rabie Laboratory of Physics Material. University , Guelma Algeria Topic : Theoretical Study on Electronic Structure and Optical Performance of Nickel and Cerium Codoped Rutile Titanium Dioxide
12:35-12:55	Prof. Faiz Ali University of Poonch Rawlakot, AJK, Pakistan. Topic : Preparation of Partially Sub-1 μm Inorganic-Organic Hybrid Silica Monolith Materials as Highly Efficient Stationary Phases in Reverse Phase Liquid Chromatography.

Lunch Break 01:00 PM-02:00PM

02:05-02:25	Dr. Abdeen Omer Energy Research Institute (ERI), Nottingham, United Kingdom Topic : Geo exchanger System for Buildings Heating and Cooling
02:30-02:50	Dr. Emine Güneri Erciyes University, Kayseri, Turkey Topic : The Structural and Morphological Properties of CuO Nano Thin Films Deposited By Chemical Bath Deposition

Further List Will Be Updated Soon

Venue:

Holiday Inn Express Airport
P. O. Box 35257 Umm Ramool, Opposite Terminal 3
Dubai, United Arab Emirates



Conference Dates: April 09-11, 2018

Dubai Attractions:

The Burj Khalifa



Dubai Palm Islands

Burj Al Arab, Dubai



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