

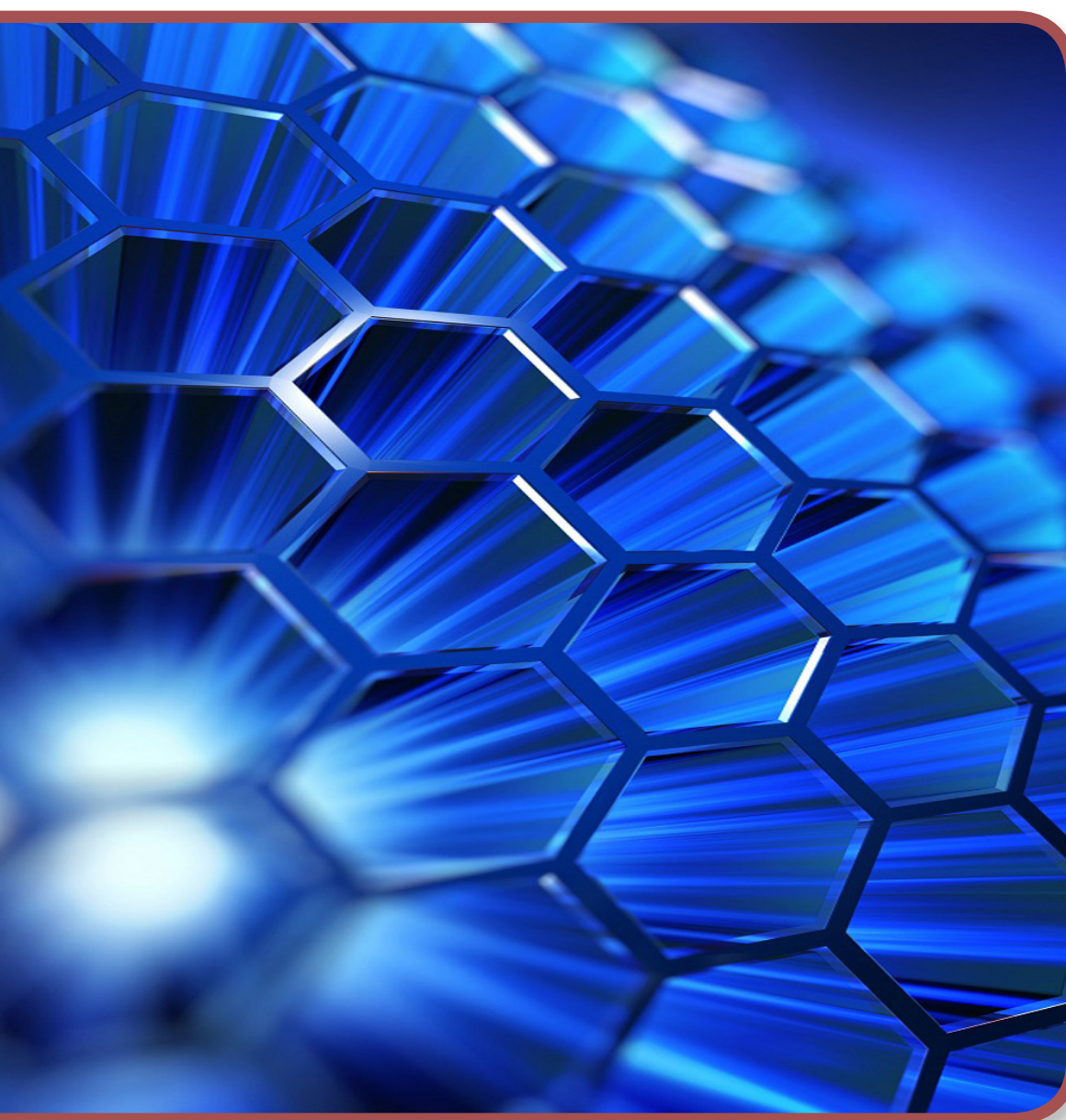
conferenceseries.com

Scientific Program

20th International Conference on

ADVANCED MATERIALS SCIENCE & NANO TECHNOLOGY

AUGUST 27-28, 2018 | DUBAI, UAE



MAT NANO 2018

Conference Series llc Ltd

47 Churchfield Road, London, W3 6AY, UK

Tel: +1-201-380-5561 Ext: 7005 Toll No: +44-2088190774

Email: matnano@memeetings.net

Monday 27th August 2018

Day 1

08:00-08:45

Registration Open

Conference Hall 1

08:45-9:00

Opening Ceremony

Introduction

09:00-10:00

Keynote Presentation

Title: Improved low-Pt loading electrode performance and durability through catalyst layer design and application
Radenka Maric, University of Connecticut, USA



10:00-11:00

Keynote Presentation

Title: Nanomaterials for energy applications: Present and future
Daniel Choi, Masdar Institute of Science and Technology, UAE



11:00-11:15

Networking and Refreshments Break with Group Photo

Sessions: Advanced Materials Engineering | Advanced Optical and Magnetic Materials | Physics and Chemistry of Materials | Nanoparticle Synthesis and Applications | Advanced Bio-Materials & Bio-devices | Nano Materials | Emerging Smart Materials

Session Chair: **Radenka Maric**, University of Connecticut, USA

11:15-11:50

Title: Breakdown of the electron-spin motion upon reflection at metal-organic or metal-carbon interfaces

Fatma Zohra Djeghloul, University of Ferhat Abbas Setif, Algeria

11:50-12:25

Title : Effect of normal load and sliding speed on dry sliding wear and friction properties of germanium doped borosilicate glass ceramic

Satyam Shivam Gautam, North Eastern Regional Institute of Science and Technology, India

12:25-13:00

Title: Graphene based hydrogels for selective adsorption of water contaminants

Said Al Siyabi, International Maritime College, Oman

Lunch Break 13:00-14:00 @ Restaurant

14:00-14:35

Title: Integration of carbon nanotubes derivatives and Omani biowastes activated carbon for wastewater treatment

Almahanad Al Kalbani, International Maritime College of Oman, Oman

14:35-15:10

Title: Nano-structure chitosan based hydrogels as drug delivery system

Elnaz Erfanian, Sohrevardi Jonobi, Tehran

15:10-15:45

Title: Severe plastic deformation to fabricate bio-Mg alloy microtubes for using as biodegradable stent

Hessam Torabzadeh Kashi, University of Tehran, Iran

Panel Discussion

Conference Hall 1

09:30-10:30

Keynote Presentation

Title: Recent developments in abrasive waterjet cutting of materials

Chithirai Pon Selvan, Curtin University, Dubai



Networking and Refreshments Break 10:30-10:45

Sessions: Energy and Harvesting Materials | Nano Materials | Emerging Smart Materials | Nanotechnology-Basics to Applications | Polymer Science and Engineering | Spintronics | Nano Structures

Session Chair: **Chithirai Pon Selvan**, Curtin University, Dubai

10:45-11:45

Title: The use of green synthesized silver nanoparticles on leather

Kashif Ahmed, NED University of Engineering and Technology, Pakistan

Poster Presentation 11:45-12:45

P-01

Title: Electrochemical measurements of synthesized polyaniline nanofibers by different method

Fahima Djefafli, Universite Badji-Mokhtar de Annaba, Algeria

P-02

Title: Effect of NH₃ injection moment and duration on N-MWNT@MWNT nanohybrid characteristics: *In situ* and *ex situ* partial doping mode

Ouanassa Guellati, Universite de Souk-Ahras, Algeria

P-03

Title: Nanoporous Ag-Au bimetallic triangles synthesized by galvanic replacement for plasmonic applications

Hongmei Qian, West Anhui University, China

P-04

Title: Charge transport through or between single molecules

Lin Wang, China University of Geosciences, China

P-05

Title: Graphene/cement composite materials: Flexural strength and microstructure

Na Zhang, China University of Geosciences, China

P-06

Title: Study on structures and properties of ultra-hot drawing UHMWPE fibers fabricated via dry spinning method

Yongyi Mai, Shanghai Research Institute of Chemical Industry, China

Lunch Break 12:45-13:45 @ Restaurant

Panel Discussion

