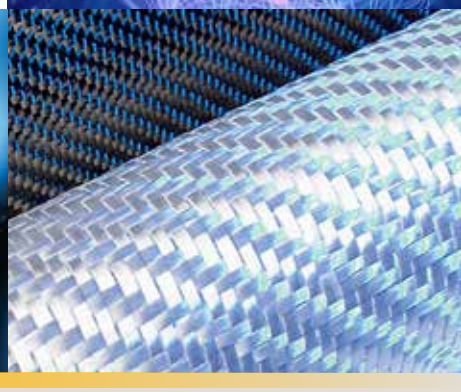
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Scientific Program





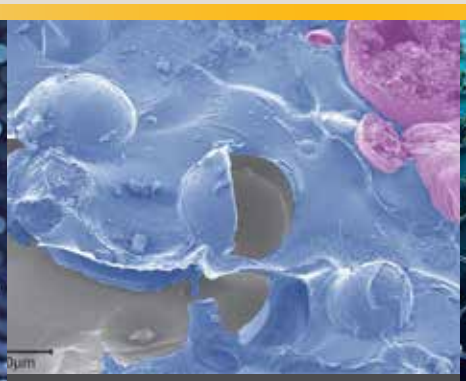


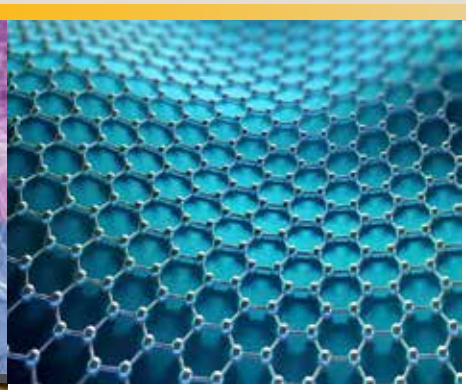
25th World Congress on

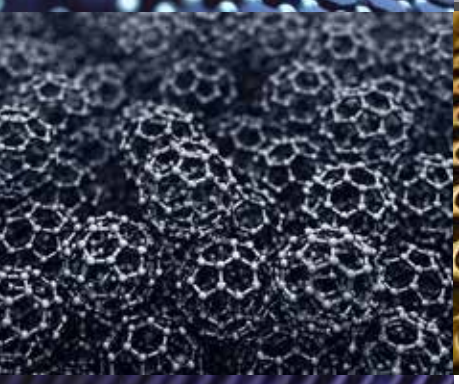
Advanced Materials

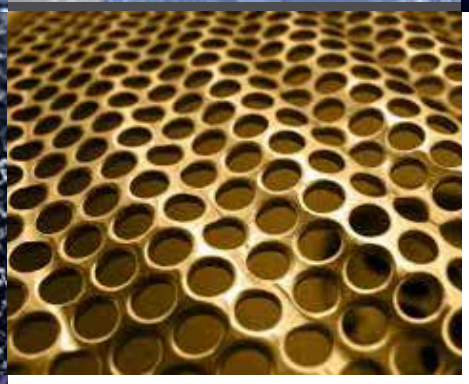
October 21-22 2019 Singapore

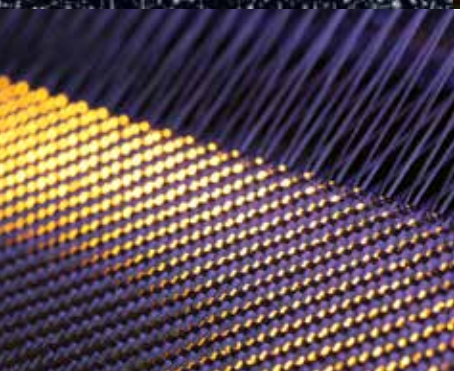












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Day 1 October 21, 2019

08:00-08:50 **Registrations** Seletar Room 1

conferenceseries.com **08:30-09:00** **Opening Ceremony**

08:50-09:00 Introduction

Keynote

09:00-09:30
Title: Application of cold spraying technique for catalyzing cold rolled metal rods with Ni for use as a metal hydride solid storage medium
Mohammad Banyan, Kuwait Institute for Scientific Research, Kuwait

09:30-10:00
Title: Comparison of the effect of Poly (N-vinyl caprolactam) and Poly (N-isopropylacrylamide) trimers on the stability of hydrated Na-montmorillonite: A molecular dynamics study
Moussa Camara, China University, China

10:00-10:30
Title: Phase stablilty and properties of Ti-nb-zr thin films and their dependence on Zr addition
Munkhbayar Baatarsukh Gyeonsang, National University, South Korea

Group Photo 10:30-10:35

Networking and Refreshments Break: 10:35-11:05

Session: Advanced Materials and Functional Devices | Engineering Materials | Composite Materials | \Magnetism & Multiferroism | Optical Materials and Plasmonics | Energy and Harvesting Materials | Nanotechnology-Basics to Applications | Nano Materials | Nano Structures | Properties of Nano Materials | Carbon Nanostructures and Graphene | Spintronics | Nanoparticle Synthesis and Applications

Session Introduction

Session Chair: Mohammad Banyan, Kuwait Institute for Scientific Research, Kuwait

11:05-11:25
Title: Numerical simulation of the interference effect of double cracks in X80 pipeline weld
Wei Cui, Associate Professor, Northeast Petroleum University, China

11:25-12:00
Title: The influence of post heat treatment on the morphological behavior and particle sizes of nano-crystalline TiO2-ZnO Hybrid for solar cell applications
Malevu, University of KwaZulu-Natal, South Africa

12:00-12:25
Title: Formulation and optimization of silibinin loaded inhalable liposomal nanoparticle for the treatment of lung cancer
Priya Patel, Saurashtra University, India

Lunch Break: 12:25-13:30 @ Atrium Restaurant

Poster Presenatation @ 13:30-14:30

AM-001
Title: Encapsulation of gallic acid derivative with starch matrix- in vitro evaluation of antioxidant, antibiofilm and antioxidant potential
Prakashkumar Nallasamy, Alagappa University, India

AM-002
Title: Investigation of NH3 Gas Sensing Behavior of Intercalated PPy – GO – WO3 hybrid nanocomposite at room temperature
Heiner A J, Alagappa University, India

AM-003
Title: Surface bound nanostructures of ternary r-GO/Mn3O4/V2O5 system for room temperature selectivity of hydrogen gas
M. Amarnath, K. Gurunathan, Alagappa University, India

AM-004
Title: Development of silicon nano-particle films using a reactive chemically adsorbed monolayer
Airi Yoshioka, Kagawa University, Japan

AM-005
Title: Investigation of uni-directional nanorods, composed microspheres and branched nanorods for QDSSC solar cell application
Arjunkumar Bojarajan, Alagappa University, India

Panel Discussion

Day 2 October 22, 2019

Keynote

09:00-10:00	**Title: A Mechanism for the Enhancement of The Catalytic Activity of Graphene As a Support Material for Oxygen Evolution Reaction Based on Mixed Potential Theory** **Heba Ahmed,** RMIT University City Campus, Australia
10:00-10:30	**Title: Inorganic fullerene-like nanoparticles and nanotubes, overview and recent results** **Yongxin,** Ung Hom, Kowloon, Hong Kong

Networking and Refreshments Break: 10:30-11:00

Session Introduction

Poster Presenatation @ 11:00-12:30

AM-001	**Title: Gyeonggi-do, Suwon-Si, Jangan-gu, Cheoncheon-dong, 268-28, room no: 202, 16418, rep. of Korea** **Srijita Nundy,** Korea (South)
AM-002	**Title: A Study on Ultra-High-Precision Magnetic Abrasive Finishing of 316L STS Bio-Wire Material Using Eco-Friendly Magnetic Abrasive Finishing** **Lida Heng,** Chonbuk National University, Korea
AM-003	**Title: Smart Polymer-Coated Hybrid Calcium Phosphate Nanoparticles for Oral Vaccine Delivery** **A Mbang Sama,** Daimler AG, Germany

Lunch Break: 12:30-13:30 @ Atrium Restaurant

Panel Discussion

Award Ceremony

Thanks Giving & Closing Ceremony

