Scientific Program

25th World Congress on Advanced Materials
October 21-22 2019  Singapore
08:00-08:50 Registrations

08:30-09:00 Opening Ceremony

08:50-09:00 Introduction

Keynote

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

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

Title: Phase stability and properties of Ti-nb-zr thin films and their dependence on Zr addition
Munkhbayar Baatarsukh Gyeongsang, National University, South Korea

Group Photo 10:30-10:35

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


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

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

Poster Presentation @ 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 Presentation @ 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