21st International Conference on
Advanced Materials & Nanotechnology
September 04-06, 2018 | Zürich, Switzerland

UK: Conference Series LLC LTD
47 Churchfield Road, London, W3 6AY
Toll Free: +1-800-014-8923
DAY-1
September 04, 2018
Meeting Hall: London B
08:00-8:30 Registrations

Opening Ceremony

KEYNOTE FORUM

08:55-09:00 Introduction

09:00-09:40 Title: Hybrid conversion Solar System (HYCSOS)
Dieter M Gruen, Dimerond Technologies, USA

09:40-10:20 Title: Semiconductors and semiconductor-ionic heterostructure composites for next generation energy conversion technology
Bin Zhu, Hubei University, China

SPECIAL SESSION

10:20-11:20 Title: On the way to physically correct indentation analyses
Gerd Kaupp, University of Oldenburg, Germany

Group Photo, Networking & Refreshments 11:20-11:40 @ Europa Foyer


Chair: Roger Amade, Universitat de Barcelona, Spain
Chair: Toshihiro Miyata, Kanazawa Institute of Technology, Japan

INTRODUCTION

11:40-12:00 Title: Adsorbent materials for desulfurization processes under supercritical water conditions
Florentina Maxim, Paul Scherrer Institut, Switzerland

12:00-12:20 Title: Realization of conductive aluminum nitride epitaxial layer on silicon substrate by forming spontaneous nano size via-holes
Noriko Kurose, Ritsumeikan University, Japan

12:20-12:40 Title: A new laser induced local material engineering to convert from n-type to p-type nitride semiconductor to fabricate high power vertical AlGaN/GaN devices on Si substrate
Yoshinobu Aoyagi, Ritsumeikan University, Japan

12:40-13:00 Title: Restoration of perovskite phase in the top layer of thin BTO film by plasma treatment and annealing
Ankita Ghatak, S.N. Bose National Centre For Basic Sciences, India
13:00-13:20  Title: Hybrid perovskite halide for detection of environmental pollutant in atmosphere  
Barnali Ghosh (Saha), S.N. Bose National Centre For Basic Sciences, India

Lunch Break 13:20-14:00 @ La Place AB

14:00-14:20  Title: Comparative analysis on monolithic DeNOx catalysts  
Giovanni Perillo, Wessex Institute of Technology, UK

14:20:14:40  Title: Growth and electrochemical characterization of graphene nano walls and carbon nanotubes  
Roger Amade, Universitat de Barcelona, Spain

14:40-15:00  Title: Fine-controlled sub-nano metal particles in a dendrimer reactor  
Kimihisa Yamamoto, Tokyo Institute of Technology, Japan

15:00-15:20  Title: Thermoelectricity enhanced catalysis  
Tiva Sharifi, Rice University, USA

15:20-15:40  Title: P-type Cu2O-based heterojunction solar cells fabricated with n-type ZnO thin film prepared by electrochemical deposition method  
Toshihiro Miyata, Kanazawa Institute of Technology, Japan

15:40-16:00  Title: Growth control of vertical nano graphene network in plasma enhanced chemical vapor deposition and its emerging applications  
Keigo Takeda, Meijo University, Japan

16:00-16:20  Title: In silico study of the self-assembly and gelation of sugar derivatives  
Dafna Knani, ORT Braude College, Israel

Networking & Refreshments 16:20-16:40 @ Europa Foyer

16:40-17:00  Title: Design and development of nanomaterials using induction plasma system and its application  
Vignesh Nagarajan, Matrix Nano, India

YRF

YRF Judge: Gerd Kaupp, University of Oldenburg, Germany

17:00-17:15  Title: Development of functionalized coating by sol-gel process on aluminium alloy  
Clément Genet, Université de Toulouse, France

17:15-17:30  Title: Developing super hydrophobic copper/graphene nano-platelets coatings by plasma spraying  
Tahmineh Forati, Concordia University, Canada

17:30-17:45  Title: Novel carbon nanomaterials coated with CuO particles via electroless plating for nonthermite applications  
Amir Elsaidy, Military Technical College, Egypt

17:45-18:00  Title: Functionalized track-etched PVDF membrane electrodes for heavy metal analysis in water  
Uliana Pinaeva, Ecole Polytechnique, France

Panel Discussion
DAY-2
September 05, 2018
Meeting Hall:  London B

KEYNOTE FORUM

09:00-09:40  
Title: Driving flexible electronics by hybrid materials  
Rodrigo Martins, New University of Lisbon, Portugal

09:40-10:20  
Title: Switching iron-based superconductivity with spin current  
Jhinhwan Lee, Korea Advanced Institute of Science and Technology, South Korea


Chair: Dieter M Gruen, Dimerond Technologies, USA  
Chair: Yutaka Oyama, Tohoku University, Japan

INTRODUCTION

10:20-10:40  
Title: Relation between internal friction and fatigue  
Wolfgang Gräfe, Private Scholar, Germany

10:40-11:00  
Title: Improvement of CFRP electrical conductivity by applying nano enabled products containing carbon nanotubes  
Anna Boczkowska, Warsaw University of Technology, Poland

11:00-11:20  
Title: Boron carbide-based ceramics for thermostructural application: Sintering by SPS and mechanical performances  
Alexandre Maître, University of Limoges, France

Networking & Refreshments 11:20-11:40 @ Europa Foyer

11:40-12:00  
Title: Synthesis of 2D layered semiconductor GaSe for the application of Terahertz non-destructive inspection  
Yutaka Oyama, Tohoku University, Japan

12:00-12:20  
Title: Solution deposition of Cu doped Co3O4 for electrooxidation of glucose  
Mahabub Chowdhury, Cape Peninsula University of Technology, South Africa

12:20-12:40  
Title: Cu metal/Mn phthalocyanine organic sprinter faces atop Co with high spin polarization at room temperature  
Wolfgang Weber, Université de Strasbourg, France

12:40-13:00  
Title: Producing of aluminium matrix composite wire  
Janos Dobranszky, Budapest University of Technology and Economics, Hungary
13:00-13:20 Title: Chitosan asiaticoside nanoparticles synthesized from Centella asiatica for glioma therapy
V Gayathri, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, India

Lunch Break 13:20-14:00 @ La Place AB

14:00-14:20 Title: Investigation on weldability behavior of chromium-free nickel filler with stainless steel AISI-304
Nataraj J.R, R.V.College Of Engineering, India

14:20-14:40 Title: Multiferroic Properties and Structural Characterizations in Mn and Cr Doped 0.9BiFeO3-0.1BaTiO3 Compositions
Ricardo A. M Gotardo, Technological Federal University of Paraná, Brazil

14:40-15:00 Title: Synthesis of Pt-WO3@W/GNs as a bifunctional electro-photo catalyst for catalyzing methanol oxidation and oxygen reduction reaction
Shen Lin, Fujian Normal University, China

15:00-15:20 Title: Low-cost printable hybrid hetero structures for energy harvesting and lighting
Sylvain G. Cloutier, Ecole de Technologie Superieure, Canada

15:20-15:40 Title: New generation of Colorcoat Prisma®
Anna Lewandowska, Tata Steel UK Limited, United Kingdom

Networking & Refreshments 15:40-16:00 @ Europa Foyer

YRF

YRF Judge: Gerd Kaupp, University of Oldenburg, Germany

16:00-16:15 Title: FEM analysis for burring process of large diameter SUS304 tube
Junshi Ichikawa, Gunma University, Japan

16:15-16:30 Title: Horizontal twin roll casting of aluminum alloy A7075
Yuta Kashitani, Gunma University, Japan

16:30-16:45 Title: Cold plastic forming of ABS plastic pipe: ABS plastic pipe
Kentaro Tsunoda, Gunma University, Japan

16:45-17:00 Title: Engineering protein interfaces yields ferritin disassembly and reassembly under benign experimental conditions
Hai Chen, China Agricultural University, China

17:00-17:15 Title: Dynamic analyses of damping alloy sleeves for boring
Yuto Horigome, Gunma University, Japan

17:15-17:30 Title: Infrared spectra of aluminum fluorocarbon polymer compositions to thermal signature of jet engine
Amir Elsaidy, Military Technical College, Egypt

17:30-17:45 Title: Thermoelectric properties of ZnO-based ceramics prepared by spark plasma sintering technique
Raddingoana Precious Manti, Université de Toulouse, France
Poster Presentations 17:45-18:30

Poster Judge: Anna Boczkowska, Warsaw University of Technology, Poland

AM-01 Title: Fabrication of micro/nano-crystals of organic Dirac fermion system: nano-scale electrocrystallization
Takako Konoike, National Institute for Materials Science, Japan

AM-02 Title: Synthesis by hydrogen reduction and characterization of CuNiCo with nanoparticles content
Eduardo Brocchi, Pontifical Catholic University of Rio de Janeiro, Brazil

AM-03 Title: One-pot synthesis of hybrid nano particles for catalytic applications
Heeyeon Kim, Korea Institute of Energy Research, South Korea

AM-04 Title: Chitosan delaying human fibroblast senescence through down regulation of TGF-β signaling pathway
Tai-Horng Young, National Taiwan University, Taiwan

AM-05 Title: Ag+ ion emission from a sharp tip of Ag+ ion conducting glass and Schottky-model analysis
Yusuke Daiko, Nagoya Institute of Technology, Japan

AM-06 Title: Effect of electrolyte aging on the morphology and mechanical properties of anodic titanium dioxide
Junzhe Dong, The University of Auckland, New Zealand

AM-07 Title: Magnetic carbon nano materials as matrices for the immobilization of cellulolytic enzymes
Athena Papadopoulou, University of Ioannina, Greece

AM-08 Title: Surface texturing with slanted silicon nano pillars to reduce its optical reflectivity
Jun-hyun Kim, Ajou University, South Korea

AM-09 Title: Simulation and development of counter weight casting
Koushik Kosanam, R.V.College Of Engineering, India

AM-10 Title: Study of fragmentation and ultrasonic flow impacts of several metal-based alloys
Abdulrahman Sumayli, University of Hull, UK

AM-11 Title: Effect of epoxidized cardanol on poly(vinyl chloride) as secondary plasticizer
Jie Chen, Chinese Academy of Forestry, China

AM-12 Title: Eu2+/Eu3+-activated nitride based red phosphors with narrow emission band for white light emitting diodes
Jianyan Ding, Lanzhou University, China

AM-13 Title: K4CaGe3O9:Mn2+, Yb3+: a novel orange-emitting long persistent luminescence phosphor with special nano structure
Xufeng Zhou, Lanzhou University, China

AM-14 Title: A composite of MnO2 coated with graphene by galvanostatic electrodeposition and its highly active and stable catalysis for oxygen reduction reaction
Xiaofeng Zhang, Fujian Normal University, China
AM-15  
**Title:** Ni-based nanowire co-catalysts integrated with a Si photoanode for efficient water oxidation  
**Meshal S Aljohani,** King Abdulaziz City for Science and Technology, Saudi Arabia

AM-16  
**Title:** Facile synthesis of laminated porous WS2/C composite and its electrocatalysis for oxygen reduction reaction  
**Zhongshui Li,** Fujian Normal University, China

AM-17  
**Title:** Graphene oxide-copper hybrid nanoflowers for the efficient immobilization of enzymes  
**Athena Papadopoulou,** University of Ioannina, Greece

AM-18  
**Title:** Advances in 3D printing in biomaterials for orthopaedic applications  
**Daniel Li,** Northwestern University, USA

**Panel Discussion**

**DAY-3**

September 06, 2018

Networking & lunch 12:30-14:00 @ La Place AB

**Awards & Closing Ceremony**

**Bookmark your Dates**

24th International Conference on  
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