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21st International Conference on

Advanced Materials and Nanotechnology

September 04-06,2018 | Zürich, Switzerland

	Registration
	Opening Ceremony
Tentative Program	
Day 1 September 04, 2018	
Special Session	
	Title: On the way to physically correct indentation analyses
	Gerd Kaupp, University of Oldenburg, Germany
Keynote Forum	
	Title: Hybrid conversion Solar System (HYCSOS)
	Dieter M Gruen, Dimerond Technologies LLC, USA
	Title: Semiconductors and Semiconductor-Ionic heterostructure composites for next generation energy conversion technology
	Bin Zhu, Hubei University, China
	Group Photo
	Coffee Break @ Europa Foyer
Speaker Session	
Sessions: Advanced Materials Engineering | Emerging Areas of Materials Science | Environmental and Green Materials | Carbon Based Materials | Advanced Bio-Materials and Bio-devices | Energy Materials and Harvesting	
Chair	**Yet to be decided**
Chair	**Yet to be decided**
	Session Introduction
	Title: Adsorbent materials for desulfurization processes under supercritical water conditions
	Florentina Maxim, Paul Scherrer Institut, Swizerland
	Title: Realization of Conductive Aluminum Nitride Epitaxial Layer on Silicon Substrate by Forming Spontaneous Nano Size Via-holes
	Noriko Kurose, Ritsumeikan University, Japan
	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
	Title: Fabrication of Micro/Nano- crystals of organic Dirac fermion system: Nano-scale electrocrystallization
	Takako Konoike, National Institute for Materials Science, Japan
	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
	Title: Hybrid Perovskite halide for detection of environmental pollutant in atmosphere
	Barnali Ghosh (Saha), S.N. Bose National Centre For Basic Sciences, India

	Lunch @ La Place AB
	Title: Growth and electrochemical characterization of graphene nanowalls and carbon nanotubes
	Roger Amade, Universitat de Barcelona, Spain
	Title: Fine-controlled sub-nano metal particles in a dendrimer reactor
	Kimihisa Yamamoto, Tokyo Institute of Technology, Japan
	Speaker Slot Available CLICK HERE TO SUBMIT YOUR ABSTRACT
	Title: Thermoelectricity enhanced catalysis
	Tiva Sharifi, Rice University, USA
	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
	Title: Growth Control of Vertical Nanographene Network in Plasma Enhanced Chemical Vapor Deposition and Its Emerging Applications
	Keigo Takeda, Meijo University, Japan
	Title: In silico study of the self-assembly and gelation of sugar derivatives
	Dafna Knani, ORT Braude College, Israel
	Coffee Break @ Europa Foyer
	YRF
	YRF: Development of functionalized coating by sol-gel process on aluminium alloy
	Clément Genet, Université de Toulouse, France
	YRF: Developing Superhydrophobic Copper/Graphene Nanoplatelets Coatings by
	Tahmineh Forati, Concordia University, Canada
	YRF: Functionalized track-etched PVDF membrane electrodes for heavy metal
	Uliana Pinaeva, Ecole Polytechnique, France
	YRF: Thermoelectric properties of ZnO-based ceramics prepared by spark plasma sintering technique
	Radingoana Precious Manti, Université de Toulouse, France
	YRF: Infrared spectra of Aluminum fluorocarbon polymer compositions to Thermal signature of jet engine
	Amir Elsaidy, Military Technical College, Egypt
Day 2 September 05, 2018	
Hall - London B	
Keynote Forum	
	Title: Driving Flexible Electronics by Hybrid Materials
	Rodrigo Martins, University of Lisbon, Portugal
	Title: Switching Iron-based Superconductivity with Spin Current
	Jhinhwan Lee, Korea Advanced Institute of Science and Technology, Japan
Speaker Session	
Sessions: Advanced Functional Materials | Polymers Scicence and Engineering | Advanced Optical Materials | Advancement in Nanomaterials Science and Nanotechnology | Coating and Surface Engineering	
Chair	**Yet to be decided**
Chair	**Yet to be decided**
	Title: Improvement of CFRP electrical conductivity by applying nano-enabled products containing carbon nanotubes
	Anna Boczkowska, Warsaw University of Technology, Poland

	Title: Relation between internal Friction and Fatigue
	Wolfgang Gräfe, Germany
	Title: Solution deposition of Cu doped Co3O4 for electrooxidation of glucose
	Mahabubur Chowdhury, Cape Peninsula University of Technology, South Africa
	Coffee Break @ Europa Foyer
	Title: Synthesis of 2D layered Semiconductor GaSe for the application of Terahertz Non-Destructive Inspection
	Yutaka Oyama, Tohoku University, Japan
	Title: Boron carbide-based ceramics for thermostructural application: sintering by SPS and mechanical performances
	Alexandre Maître, University of Limoges, France
	Title: Cu metal/ Mn phthalocyanine organic spinterfaces atop Co with high spin polarization at room temperature
	Wolfgang Weber, Université de Strasbourg, France
	Title: Producing of aluminium matrix composite wires
	Janos Dobranszky, Budapest University of Technology and Economics, Hungary
	Title: Chitosan Asiaticoside nanoparticles synthesized from Centella asiatica for Glioma therapy
	V Gayathri, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, India
	Title: Investigation on weldability behaviour of chromium-free nickel filler with stailnless steel AISI-304
	Nataraj J.R, R.V.College Of Engineering, India
	Lunch @ La Place AB
	Speaker Slot Available CLICK HERE TO SUBMIT YOUR ABSTRACT
	Poster Presentations
AM-01	**Title:** Synthesis by Hydrogen Reduction and Characterization of CuNiCo with Nanoparticles Content
	Eduardo Brocchi, Pontifical Catholic University of Rio de Janeiro, Brazil
AM-02	**Title:** One-pot synthesis of hybrid nano particles for catalytic applications
	Heeyeon Kim, Korea Institute of Energy Research, South Korea
AM-03	**Title:** Chitosan Delaying Human Fibroblast Senescence through Downregulation of TGF-β Signaling Pathway
	Tai-Horng Young, National Taiwan University, Taiwan
AM-04	**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-05	**Title:** Effect of electrolyte aging on the morphology and mechanical properties of anodic titanium dioxide
	Junzhe Dong, The University of Auckland, New Zealand
AM-06	**Title:** Magnetic carbon nanomaterials as matrices for the immobilization of cellulolytic enzymes
	Athena Papadopoulou , University of Ioannina, Greece
AM-07	**Title:** Surface texturing with slanted silicon nanopillars to reduce its optical reflectivity
	Jun-hyun Kim, Ajou University, South Korea
AM-08	**Title:** Simulation and Development of Counter Weight Casting
	Koushik Kosanam, R.V.College Of Engineering, India

AM-09	**Title:** Study of Fragmentation and Ultrasonic flow impacts of several metal-based alloys
	Abdulrahman Sumayli, University of Hull, UK
AM-10	**Title:** Effect of epoxidized cardanol on poly(vinyl chloride) as secondary plasticizer
	Jie Chen, Chinese Academy of Forestry, China
AM-11	**Title:** Eu2+/Eu3+-Activated Nitride Based Red Phosphors with Narrow Emission Band for White Light Emitting Diodes
	Jianyan Ding, Lanzhou University, China
AM-12	**Title:** Synthesis, characterization and reactivity of mesoporous materials Fe-TUD-1
	Xufeng Zhou, Lanzhou University, China
AM-13	**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-14	**Title:** Enhancement of thermoelectric properties in mechanically alloyed Bi0.4Sb1.6Te3 bulk nanocomposite containing Ti50Cu28Ni15Sn7 amorphous particles
	Pee-Yew Lee, National Taiwan Ocean University, Taiwan
AM-15	**Title:** Facile Synthesis of Laminated Porous WS2/C Composite and Its Electrocatalysis for Oxygen Reduction Reaction
	Zhongshui Li, Fujian Normal University, China
	Speaker Slot Available CLICK HERE TO SUBMIT YOUR ABSTRACT
	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
	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
	Title: Low-cost printable hybrid heterostructures for energy harvesting and lighting
	Sylvain G. Cloutier, Ecole de Technologie Superieure, Canada
	Title: New generation of Colorcoat Prisma®
	Anna Lewandowska, Tata Steel UK Limited, United Kingdom
	YRF
	YRF: FEM analysis for burring process of large diameter SUS304 tube: Finite element method analysis. Burring Process, SUS304 pipe, Cold Plastic Forming
	Junshi Ichikawa, Gunma University, Japan
	YRF: Horizontal twin roll casting of aluminum alloy A7075: Twin roll strip casting, Aluminum alloy A7075, Solidification crack
	Yuta Kashitani, Gunma University, Japan
	YRF: Cold plastic forming of ABS plastic pipe: ABS plastic pipe, Cold plastic forming, Pipe expansion
	Kentaro Tsunoda, Gunma University, Japan
	YRF: Engineering protein interfaces yields ferritin disassembly and reassembly under benign experimental conditions
	Hai Chen, China Agricultural University, China
	YRF: Vibration reduction effect with damping alloys
	Yuto Horigome, Gunma University, Japan

Day 3 September 06, 2018	
Hall - London B	
	Session 1: Materials Chemistry | Biosensors and Bioelectronic Materials | Metals and Metallurgy
Chair	**Yet to be decided**
Chair	**Yet to be decided**
	Title: Electrochemical method for Research on Anticorrosion performance of Graphene-like materials composite coating on carbon steel
	Xia Zhao, Chinese Academy of Science, Qingdao, China
	Title: Effect of Voltage on Micro Arc Oxidation of 6061-Al Alloy
	Qingjun Zhu, Chinese Academy of Science, Qingdao, China
	Title: The synergistic effect of SRB and calcareous deposit on corrosion of carbon steel in seawater
	Jie Zhang, Chinese Academy of Science, Qingdao, China
	Title: Ultrasound in wet biological materials subjected to drying
	Stefan Jan KOWALSKI, Poznań University of Technology, Poland
Coffee Break @ Europa Foyer	
	Title: A new interfacial bio-sensing approach for detecting aberrant protein phosphorylation in cancer
	Mostak Ahmed, University of Queensland, Australia
	Title: Competitive crystallization in Al-Sm involving metastable large-unit-cell intermetallic phases: Chemical partitioning and crystal genes
	R. E. Napolitano, Iowa State University, USA
	Title: Designing anisotropic metamaterials with wave propagation isolation properties
	N. Karathanasopoulos, ETH Zurich, Switzerland
	Title: Exploring natural cohorts for synthesizing Nanomaterials: A truly Eco-benign approach
	Anal K. Jha, Aryabhatta Knowledge University, India
	Title: Ceramic/Polymer Nanocomposites: Smart Sensing Applications
	Kamal Prasad, Bhagalpur University, India
	Title: Thermal investigation of phase change materials based on LLDPE, paraffin wax and expanded graphite
	Mustapha KARKRI, Université Paris Est, France
Lunch@ La Place AB	
	Speaker Slot Available CLICK HERE TO SUBMIT YOUR ABSTRACT
Coffee Break @ Europa Foyer	
Award Ceremony	
****Note: Tentative Program has been designed with the projected Speakers Names and Titles. Dates and timings in this Program are subject to change**	