| Day 1 (September 04, 2018) | |
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| **London B** | |
| 08:00-8:30 | Registrations |
| 08:30-09:00 | Opening Ceremony |
| **SPECIAL SESSION** | |
| 09:00-10:00 | Title:On the way to physically correct indentation analyses<br>Gerd Kaupp, University of Oldenburg, Germany |
| **KEYNOTE FORUM** | |
| 10:00-10:40 | Title: Hybrid conversion Solar System (HYCSOS)<br>Dieter M Gruen, Dimerond Technologies LLC, USA |
| 10:40-11:20 | Title: Semiconductors and Semiconductor-Ionic heterostructure composites for next generation energy conversion technology<br>Bin Zhu, Hubei University, China |
| **GROUP PHOTO** | |
| **Coffee Break 11:20 - 11:40 @ Europa Foyer** | |
| **SPEAKER FORUM 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** | |
| Session Chair: | Yet to be decided |
| Session Chair: | Yet to be decided |
| 11:40-12:00 | Title: Adsorbent materials for desulfurization processes under supercritical water conditions<br>Florentina Maxim, Paul Scherrer Institut, Swizerland |
| 12:00-12:20 | Title: Realization of conductive aluminum nitride epitaxial layer on silicon substrate by forming spontaneous nano size via-holes<br>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<br>Yoshinobu Aoyagi , Ritsumeikan University, Japan |
| 12:40-13:00 | Title: Comparative analysis on monolithic DeNOx catalysts<br>Giovanni Perillo, Wessex Institute of Technology, UK |
| 13:00-13:20 | Title: Restoration of perovskite phase in the top layer of thin BTO film by plasma treatment and annealing<br>Ankita Ghatak, S.N. Bose National Centre For Basic Sciences, India |

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| **13:20-13:40** | **Title: Hybrid perovskite halide for detection of environmental pollutant in atmosphere**<br>**Barnali Ghosh (Saha), S.N. Bose National Centre For Basic Sciences, India** |
| **Lunch Break 13:40 - 14:20 @ La Place AB** | |
| **14:20:14:40** | **Title: Growth and electrochemical characterization of graphene nano walls and carbon nanotubes**<br>**Roger Amade, Universitat de Barcelona, Spain** |
| **14:40-15:00** | **Title: Fine-controlled sub-nano metal particles in a dendrimer reactor**<br>**Kimihisa Yamamoto, Tokyo Institute of Technology, Japan** |
| **15:00-15:20** | **Title: Thermoelectricity enhanced catalysis**<br>**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**<br>**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**<br>**Keigo Takeda, Meijo University, Japan** |
| **16:00-16:20** | **Title: In silico study of the self-assembly and gelation of sugar derivatives**<br>**Dafna Knani, ORT Braude College, Israel** |
| **16:20-16:40** | **Title: Design and development of nanomaterials using induction plasma system and its application**<br>**Vignesh Nagarajan, Matrix Nano, India** |
| **Refreshment & Networking Break Coffee Break 16:40 - 17:00 @ Europa Foyer** | |
| **YRF** | |
| **17:00-17:15** | **Title: Development of functionalized coating by sol-gel process on aluminium alloy**<br>**Clément Genet, Université de Toulouse, France** |
| **17:15-17:30** | **Title: Developing super hydrophobic copper/graphene nano-platelets coatings by plasma spraying**<br>**Tahmineh Forati, Concordia University, Canada** |
| **17:30-17:45** | **Title: Novel carbon nanomaterials coated with CuO particles via electroless plating for nonothermite applications**<br>**Amir Elsaidy, Military Technical College, Egypt** |
| **17:45-18:00** | **Title: Thermoelectric properties of ZnO-based ceramics prepared by spark plasma sintering technique**<br>**Radingoana Precious Manti, Université de Toulouse, France** |
| **18:00-18:15** | **Title: Functionalized track-etched PVDF membrane electrodes for heavy metal analysis in water**<br>**Uliana Pinaeva, Ecole Polytechnique, France** |
| **18:15-18:30** | **Title: Infrared spectra of aluminum fluorocarbon polymer compositions to thermal signature of jet engine**<br>**Amir Elsaidy, Military Technical College, Egypt** |
| **PANEL DISCUSSION** | |

| Day 2 (September 05, 2018) | |
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| **London B** | |
| **KEYNOTE FORUM** | |
| **09:00-09:40** | **Title: Driving flexible electronics by hybrid materials**<br>**Rodrigo Martins, University of Lisbon, Portugal** |
| **09:40-10:20** | **Title: Switching iron-based superconductivity with spin current**<br>**Jhinhwan Lee, Korea Advanced Institute of Science and Technology, South Korea** |
| **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** |
| **10:20-10:40** | **Title: Relation between internal friction and fatigue**<br>**Wolfgang Gräfe, Germany** |
| **10:40-11:00** | **Title: Improvement of CFRP electrical conductivity by applying nano enabled products containing carbon nanotubes**<br>**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**<br>**Alexandre Maître, University of Limoges, France** |
| **GROUP PHOTO** | |
| **Refreshment & Networking Break 11:20 - 11:40 @ Europa Foyer** | |
| **SPEAKER FORUM** | |
| **11:40-12:00** | **Title: Synthesis of 2D layered semiconductor GaSe for the application of Terahertz non-destructive inspection**<br>**Yutaka Oyama, Tohoku University, Japan** |
| **12:00-12:20** | **Title: Solution deposition of Cu doped Co3O4 for electrooxidation of glucose**<br>**Mahabubur 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**<br>**Wolfgang Weber, Université de Strasbourg, France** |
| **12:40-13:00** | **Title: Producing of aluminium matrix composite wire**<br>**Janos Dobranszky, Budapest University of Technology and Economics, Hungary** |
| **13:00-13:20** | **Title: Chitosan asiaticoside nanoparticles synthesized from Centella asiatica for glioma therapy**<br>**V Gayathri, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, India** |
| **13:20-13:40** | **Title: Investigation on weldability behavior of chromium-free nickel filler with stainless steel AISI-304**<br>**Nataraj J.R, R.V.College Of Engineering, India** |
| | **Lunch Break 13:40 - 14:20 @ La Place AB** |

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| 14:20-14:40 | Title: Multiferroic Properties and Structural Characterizations in Mn and Cr Doped 0.9BiFeO3-0.1BaTiO3 Compositions<br>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<br>Shen Lin, Fujian Normal University, China |
| 15:00-15:20 | Title: Low-cost printable hybrid hetero structures for energy harvesting and lighting<br>Sylvain G. Cloutier, Ecole de Technologie Superieure, Canada |
| 15:20-15:40 | Title: New generation of Colorcoat Prisma®<br>Anna Lewandowska, Tata Steel UK Limited, United Kingdom |
| Refreshment & Networking Break 15:40-16:00 @ Europa Foyer | |
| YRF | |
| 16:00-16:15 | Title: FEM analysis for burring process of large diameter SUS304 tube<br>Junshi Ichikawa, Gunma University, Japan |
| 16:15-16:30 | Title: Horizontal twin roll casting of aluminum alloy A7075<br>Yuta Kashitani, Gunma University, Japan |
| 16:30-16:45 | Title: Cold plastic forming of ABS plastic pipe: ABS plastic pipe<br>Kentaro Tsunoda, Gunma University, Japan |
| 16:45-17:00 | Title: Engineering protein interfaces yields ferritin disassembly and reassembly under benign experimental conditions<br>Hai Chen, China Agricultural University, China |
| 17:00-17:15 | Title: Dynamic analyses of damping alloy sleeves for boring<br>Yuto Horigome, Gunma University, Japan |
| 17:15-17:35 | POSTER SESSION |
| Poster Judge: Anna Boczkowska, Warsaw University of Technology, Poland | |
| AM-01 | Title: Fabrication of micro/nano-crystals of organic Dirac fermion system: nano-scale electro crystallization<br>Takako Konoike, National Institute for Materials Science, Japan |
| AM-02 | Title: Synthesis by hydrogen reduction and characterization of CuNiCo with nanoparticles content<br>Eduardo Brocchi, Pontifical Catholic University of Rio de Janeiro, Brazil |
| AM-03 | Title: One-pot synthesis of hybrid nano particles for catalytic applications<br>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<br>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<br>Yusuke Daiko, Nagoya Institute of Technology, Japan |
| AM-06 | Title: Effect of electrolyte aging on the morphology and mechanical properties of anodic titanium dioxide<br>Junzhe Dong, The University of Auckland, New Zealand |
| AM-07 | Title: Magnetic carbon nano materials as matrices for the immobilization of cellulolytic enzymes<br>Athena Papadopoulou , University of Ioannina, Greece |

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| **AM-08** | **Title: Surface texturing with slanted silicon nano pillars to reduce its optical reflectivity**<br>**Jun-hyun Kim, Ajou University, South Korea** |
| **AM-09** | **Title: Simulation and development of counter weight casting**<br>**Koushik Kosanam, R.V.College Of Engineering, India** |
| **AM-10** | **Title: Study of fragmentation and ultrasonic flow impacts of several metal-based alloys**<br>**Abdulrahman Sumayli, University of Hull, UK** |
| **AM-11** | **Title: Effect of epoxidized cardanol on poly(vinyl chloride) as secondary plasticizer**<br>**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**<br>**Jianyan Ding, Lanzhou University, China** |
| **AM-13** | **Title: K4CaGe3O9:Mn2+, Yb3+: a novel orange-emitting long persistent luminescence phosphor with special nano structure**<br>**Xufeng Zhou, Lanzhou University, China** |
| **AM-14** | **Title: A composite of $MnO_2$ coated with graphene by galvanostatic electrodeposition and its highly active and stable catalysis for oxygen reduction reaction**<br>**Xiaofeng Zhang, Fujian Normal University, China** |
| **AM-15** | **Title: Ni-based nanowire co-catalysts integrated with a Si photoanode for efficient water oxidation**<br>**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**<br>**Zhongshui Li, Fujian Normal University, China** |
| **AM-17** | **Title: Controlled antibiotic-loaded, drug-eluting implants for osteomyelitis**<br>**Daniel Li, Northwestern University, USA** |
| **AM-18** | **Title: Advances in 3D printing in biomaterials for orthopaedic applications**<br>**Daniel Li, Northwestern University, USA** |
| **PANEL DISCUSSION** | |
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| **Day 3 (September 06, 2018)** | |
| **B2B meetings** | |
| **Panel discussion followed by networking & lunch** | |
| **Closing Ceremony** | |