MATERIALS SCIENCE 2018

International Conference on

Materials Science & Engineering

Advancing The Research & Innovation on Materials Science for The Global Prosperity

Rome, Italy June 25-26, 2018



https://www.meetingsint.com/conferences/materialscience

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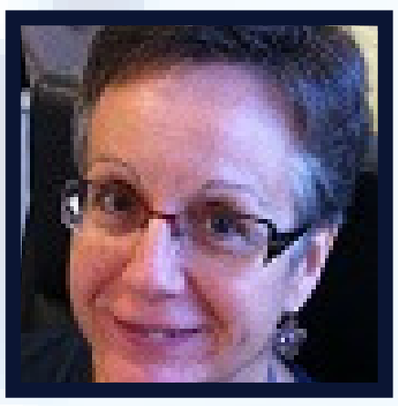
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Conference Sessions

Materials Science and Engineering

Advanced Materials and Devices

Batteries and Energy Materials

Biomaterials and Healthcare

Catalytic Materials

Ceramics and Composite Materials

Electronic, Optical and Magnetic Materials

Graphene and 2D Materials

Metals, Mining, Metallurgy and Materials

Characterization and Testing of Materials

Computational Materials Science

Mechanics, Characterization Techniques and Equipments

Emerging Smart Materials

Polymer Science and Engineering

Materials for Green Technology

Nanomaterials and Nanotechnology

https://www.meetingsint.com/conferences/materialscience/call-for-abstracts

Scientific Program

Day 1: June 25, 2018

09:00 - 09:30 — ***Registrations***
Opening Ceremony
Introduction

Keynote Forum

09:30 - 10:00 ***Title: Materials for advanced ultrasupercritical power plants***
Augusto Di Gianfrancesco, *European Collaborative Creep Committee, Italy*

10:00 - 10:30 ***Title: High-performance, heteroepitaxial, nanolaminate device layers on single-crystal-like, artificial substrates and controlled self-assembly of nanostructures within device layers for wide-ranging electrical and electronic applications***
Amit Goyal, *UB RENEW Institute, USA*

10:30 - 10:50 — ***Coffee Break***

10:50 - 11:20 ***Title: TBA***
Elias Siores, *University of Bolton, UK*

11:20 - 11:50 ***Title: 2D flatlands – synthesis, characterization and applications***
Eui-Hyeok Yang, *Stevens Institute of Technology, USA*

11:50 - 12:30 — ***Special Session on***
The European Creep Collaborative Committee: History, Structure, Activities and Last Assessments Results
by Augusto Di Gianfrancesco, European Collaborative Creep Committee, Italy

Session 1

12:30 - 12:50 ***Title: Mechanisms of metastable phase transformations in Al-Cu alloys with additions of Si, Ti and B***
Alexander Katsman, *Israel Institute of Technology, Israel*

12:50 - 13:10 ***Title: The texture of zinc after direct extrusion***
Jaroslav Capek, *Czech Academy of Sciences, Czech Republic*

13:10 - 13:30 ***Title: Comparison of electrical behavior of different carbon fillers as a tool to predict final composite behavior***
Mauro Giorcelli, *Polytechnic University of Turin, Italy*

13:30 - 14:10 — ***Lunch Break***

Session 2

14:10 - 14:30 ***Title: Quantum alphabet of matter language***
Eugene Machusky, *National Technical University, Ukraine*

14:30 - 14:50 ***Title: Controlled adsorption and release onto/from calcium phosphate materials for medical applications: The example of a bisphosphonate***
Allal Barroug, *Cadi Ayyad University, Morocco*

14:50 - 15:10 ***Title: The tribological properties of electroless Ni–P/BN(h) composite coatings***
Hsu Chih I, *National Chung-Shan Institute of Science and Technology, Taiwan*

15:10 - 15:30 ***Title: Green reduction of nano graphene oxide using Cynodon dactylon for modern biomaterial demand***
Kavitha Kandiah, *Periyar University, India*

15:30 - 15:50 ***Title: Effect of prior austenitic grain size on the tensile toughness of ultra-high strength steel weldments***
Gitae Park, Hanyang University, South Korea

15:50 - 16:10 ***Coffee Break***

Session 3

16:10 - 16:30 ***Title: Experimental investigation and prediction of tribological properties of titanium carbide and multiwalled carbon nanotubes reinforced aluminium composites using artificial neural network.***
Mohamed Zakaulla, *Wollo University, Ethiopia*

16:30 - 16:50 ***Title: Effects of Fe substitution, nano size polycrystalline on structural, electric and magnetic properties of Erbium ortho-chromite perovskite***
Jada Shanker, *Osmania University, India*

16:50 - 17:10 ***Title: Production of gallocyanine nanogel as drug delivery system for tauopathies***
Claure Nain Lunardi, *University of Brasília, Brazil*

2 Speaker slots available

Panel Discussion

Session Adjournment

Day 2: June 26, 2018

Keynote Forum

09:30 - 10:00 ***Title: TBA***
Alberto Tagliaferro, *Polytechnic University of Turin, Italy*

10:00 - 10:30 ***Title: Synthesis of red emitting vanadate phosphor***
Kartik Nilkanthrao Shinde, *N.S. Science and Arts College, India*

10:30 - 10:50 — ***Coffee Break***

10:50 - 11:20 — ***Title: Evolution of high performance sustainable magnesium based materials for sustainable planet Earth***
Manoj Gupta, *National University of Singapore, Singapore*

11:20 - 11:50 — ***Title: Wave scattering by many small impedance particles and creating materials with a desired refraction coeficient***
Alexander G Ramm, *Kansas State University, USA*

Session 4

11:50 - 12:10 — ***Title: Fibre functionalization by plasma treatment***
Mauro Giorcelli, *Polytechnic University of Turin, Italy*

12:10 - 12:30 — ***Title: Hydrazine hydrate promoted solvothermal syntheses of Ni Fe alloys for efficient oxygen evolution reaction***
Animesh Roy, *Myongji University, South Korea*

12:30 - 12:50 — ***Title: Atomic resolution characterization of epitaxial structure by using aberration-corrected STEM***
Chien-Nan Hsiao, *National Applied Research Laboratories, Taiwan*

12:50 - 13:10 — ***Title: Effect of post weld heat treatment on microstructure and mechanical properties of friction stir welded Cu-alloy joints***
Kwangjin Lee, *National Applied Research Laboratories, Taiwan*

13:10 - 13:30 — ***Title: Hierarchical growth of MnCo S nanoflakes on conducting substrate as a multifunctional electrode***
Harsharaj Sayaji Jadhav, *Myongji University, South Korea*

13:30 - 14:10 — ***Lunch Break***

Session 5

14:10 - 14:30 — ***Title: Solventless synthesis of antimony sulfide, bismuth sulfide, and antimony-bismuth sulfide solid solutions using novel single source route***
Tahani Alqahtani, *The University of Manchester, UK*

14:30 - 14:50 — ***Title: Transition metal oxide doped glassy systems: Electrical transport and microstructure***
Madhab Roy, *Jadavpur University, India*

14:50 - 15:10 — ***Title: Surface Plasmon effect of Silver nanoparticles on optical and photovoltaic properties of Silicon solar cells***
Malek Atyaoui, *Center for Energy Research and Technology, Tunisia*

15:10 - 15:30 — ***Title: Polymeric nanoparticles for controlled release of synergic system posaconazole / temozolomide***
Anderson de Jesus Gomes, *University of Brasília, Brazil*

15:30 - 15:50 — ***Title: Improvement microstructure and hot corrosion resistance of plasma sprayed thermal barrier coatings by 20%wt Al O addition***
Ali Mezher Resen, *University of Technology, Iraq*

15:50 - 16:10	***Coffee Break***
16:10 - 17:10	***Poster Presentation***

Session 6

17:10 - 17:30	***Title: New biomaterials for the measurement of the Vitamin-D-synthetic capacity of sunlight and artificial UV sources*** ***Irina Terenetskaya,*** *Institute of Physics NAS, Ukraine*
17:30 - 17:50	***Title: Ionizing radiation induced functionalization of chitosan based skin scaffolds*** ***Maria Helena Casimiro,*** *University of Lisbon, Portugal*
17:50 - 18:10	***Title: New enzyme mimic hybrid material*** ***Nalan Ozdemir,*** *Erciyes University, Turkey*
18:10 - 18:30	***Title: Influence of titanium (Ti) addition on wear properties of aluminium-silicon-copper (Al-Si-Cu) eutectic alloy*** ***Sampath Kumar R,*** *Government Polytechnic, India*

Panel Discussion

Session Adjournment

Award Ceremony

NOTE: Program Shedule is subject to change with final allotment of the speaker slots
Session Chair & Co-chair information will announced 30 days prior to the conference



Web: https://www.meetingsint.com/conferences/materialscience

For available speaker slots, contact us at:
materialscience@meetingseries.org;
materialscience@meetingint.org

Young Researchers Forum

Young Researchers can also participate in this elite congress

Eligibility

- **Young researcher is a student or learner who got interest in presenting their views and technical skills in Nutrition and other related fields which suits the theme of the congress.**
- **Participants should be below the age of 33 years and not to possess any senior position or faculty in the field.**

Submission

- **Each individual participant is allowed to submit only one paper.**
- **All submissions must be in English.**
- **The chosen topic must fit into sessions of the congress.**
- **Showcase your research through oral or poster .**

https://www.meetingsint.com/conferences/materialscience/abstract-submission



Tourist Destinations in Rome, Italy





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