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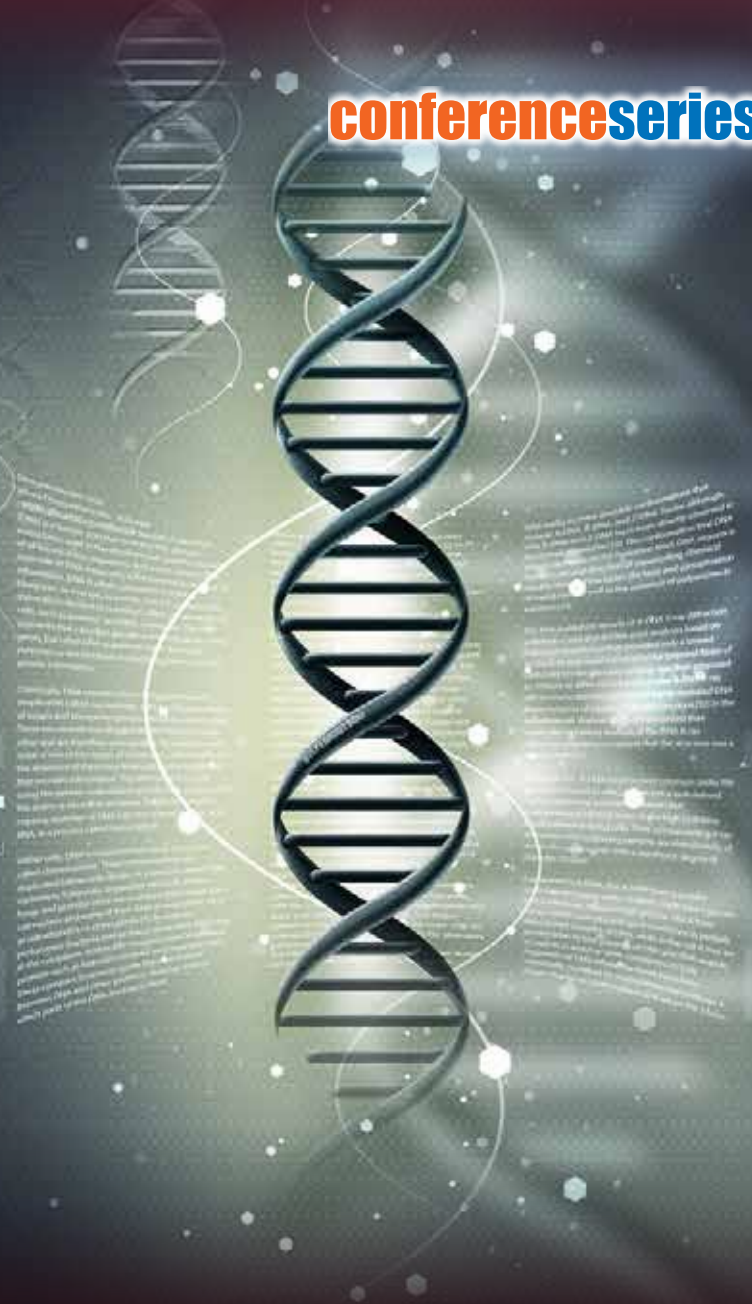
MatScience 2018

18th International Conference and Exhibition on

Materials Science and Engineering

May 28-30, 2018 Osaka, Japan



200+ Participation

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10+ Keynote Lectures

50+ Plenary Lectures

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B2B Meetings

http://materialsscience.conferenceseries.com/asia-pacific/

Invitation...

Dear Colleagues,

Conference Series LLC extends its welcome to **18th International Conference and Exhibition on Materials Science and Engineering** during **May 28-30, 2018** at **Osaka, Japan.**

Conference Series LLC organizes a conference series of 3000+ Global Events with over 1000+ Conferences, 1000+ Symposiums and 1000+ Workshops in USA, Europe, Middle East & Asiapacific with support from 1000 more scientific societies and publishes 700+ Open access journals which contains over 30000 eminent personalities, reputed scientists as editorial board members.

Theme of the conference, "**Quarrying Novelties of Material Science and Engineering**" is designed in such a way to uncover the basic principles that lead to the drastic emergence and technologies in the field of Materials Science and Nanotechnology. We hope MatScience 2017 is the best platform to discuss the basic principles involved in the development of Materials Science and Engineering. As this conference deals with the basics concepts, students, delegates, academicians and business people can attend the conference to root up the knowledge and excel in this field.

Conference will focus on the following topics during presentations of the three day event, which reflect current education research, developments and innovations internationally and as evidenced in Materials Science and Engineering.

- Materials Science and Engineering
- Nanotechnology and Polymer science
- Research in Mining and Metallurgy field
- Tissue Science engineering and Biomaterials
- Materials for Green technology and Catalytic materials
- Semiconductors, Fuel Cell and Energy related industries

Organizing Committee Members

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Osaka University
Japan

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India

Chao Yang
South China University of Technology, China

Olga Hachay
Institute of Geophysics UB RAS
Russian Federation

Abbas Amini
Australian College of ACK, Australia

Tentative Agenda

May 28, 2018 Monday

Time	Session
08:30-09:30	Registrations
09:30-11:30	Keynote Forum
Group Photo	
11:30-11:45	Network & Refreshments Break*
11:45-13:00	Track 01: Fundamentals of Materials Science | Track 02: Materials in Research
13:00-13:45	Lunch Break**
13:45-16:00	Track 03: Materials Science & Engineering | Track 04: Materials in Industry
16:00-16:15	Network & Refreshments Break*
16:15-18:00	Track 05: Materials in Energy | Track 12: Polymeric Materials
Day Concludes	

May 29, 2018 Tuesday

Time	Session
09:30-10:30	Keynote Forum
10:30-11:30	Track 06: Materials for Energy Applications | Track 07: Materials for Green Technology
11:30-11:45	Network & Refreshments Break*
11:45-13:00	Track 08: Nanotechnology in Materials Science | Track 09: Catalytic Materials
13:00-13:45	Lunch Break**
13:45-16:00	Track 10: Nanomaterials | Track 11: Metallurgy and Materials Science
16:00-16:15	Network & Refreshments Break*
16:15-18:00	Poster Presentations
Day Concludes	

May 30, 2018 Wednesday

Time	Session
09:30-11:30	Track 13: Biomaterials and Tissue Engineering | Track 14: Advances in Materials Science
11:30-11:45	Network & Refreshments Break*
11:45-13:00	Track 15: Computational Materials Science | Track 16: Electronic and Magnetic Materials
13:00-13:45	Lunch Break**
13:45-16:00	Track 17: Nanocomposites
16:00-16:15	Network & Refreshments Break*
Award Ceremony	
Conference Concludes	

Confirmed Speakers

Oral:

Title: Nano-fiber formation of transition metals by He plasma process

Yoshio Ueda, Osaka University, Japan

Title: High Performance Theroelectric Materials and Devices

Zhifeng Ren, University of Houston, USA

Title: New Material by Neutronic Metamorphosis of Fission Product in Nuclear Fuel Cycle

Masaki Ozawa, Tokyo Institute of Technology, Japan

Title: Single-Walled Carbon Nanotube Thin Films Optoelectronics

Mikhail E. Itkis, University of California, USA

Title: New progress of spark plasma sintering: diffusion behavior, densification mechanism, and fabrication of new-structure metallic materials

Chao Yang, South China University of Technology, China

Title: Non-ferrous Alloys Modification by Nanocompounds

Konstantin Borodianskiy, Ariel University, Israel

Title: Dynamic impact response of cryorolled AA 7075 aluminum alloy

Akindele Odeshi, University of Saskatchewan, Canada

Title: Nano ladders for Directional Axonal Outgrowth and Functional Regeneration

Chen Yang, Boston University, USA

Title: Mining sustainability by tailings repurposing, water treatment and slag recycling.

Courtney A. Young, Montana Tech, Butte MT, USA

Title: High birefringence, fast optical response time and high contrast ratio after dispersion of fluorescent dye into the nematic liquid crystal

Govind Pathak, University of Lucknow, India

Title: Metallic Glass Nanotube Arrays: Preparation and Surface Characterizations

Jem Kun Chen, National Taiwan University of Science and Technology, Taiwan

Title: Surface modification of cardiovascular biomaterials with functional molecules for better biocompatibility

Jingan Li, Zhengzhou University, China

Title: Application of Biomedical Titanium Alloys

Liqiang Wang, Shanghai Jiao Tong University, China

Title: Reflection of Processes of two Phase Filtration in Oil Saturated Hierarchic Medium by Data of Active Wave Geophysical Monitoring

Olga Hachay, Institute of Geophysics UB RAS, Russian Federation

Title: Effect of Precipitation on Microstructure and Mechanical Properties of Fine-grained Al-Zn-Mg-Sc Alloy

Paresh Kumar Mandal, Amal Jyothi College of Engineering, India

Title: High performance carbon fiber reinforced ceramics composites for brake system in Chinese high speed train

Peng Xiao, Central South University, China

Title: Polymer Composites and Supported Silver Nanoparticles for Environmental Remediation and Catalytic Reduction Processes

Lee D. Wilson, University of Saskatchewan, Canada

Title: Enhancement of Yield point at High Pressure, High Temperature Wells by using Polymer Nanocomposites Based on ZnO& CaCO3 Nanoparticles

Ahamed Noah, Petroleum Research Institute, Egypt

Young Researchers Forum

Title: Fabrication of Supported Porous CuO/C by Pyrolytic Decomposition of Metal-Organic Frameworks

Min Hui YAP, University of Nottingham, China

Title: Rapid in situ gelation by blue light-irradiation for combination therapy in brain tumor

Hung-Chun Wang, National Sun Yat-sen University, Taiwan

Title: The Synthesis of Ag-ZSM-11 Zeolite Using Silica Isolated from Elephant Grass for Zeolite-based Light Emitting Diode Material (ZEOLED)

Citra Deliana Dewi Sundari, UIN Sunan Gunung Djati Bandung, Indonesia

Title: Prediction of Ductile Fracture Initiation for Powder Metallurgical Aluminum-Copper Preforms using FEM

Desalegn Wogaso, Adama Science & Technology University, Ethiopia

Poster Presentations

Title: Structural, electro-optical, and mechanical properties of reactively sputtered (TiZrHf)N coatings

Du-Cheng Tsai, National Chung Hsing University, Taiwan

Title: Experimental analysis of cutting characteristics of silicone rubber sheet with respect to indentation velocity of cutting blade

Masami KOJIMA, Nagaoka University of Technology, Japan

Title: Toward Functional Materials for Resistive Switching Memory using Combinatorial Synthesis of Evaporated Thin Films

Mabkhoot A. Alsaiari, Highfield, Southampton, UK

Closing Ceremony

****Speaker and Poster Opportunities Available****

Glimpses of past conference

Tourist Attractions

Venue

Osaka is the second largest metropolitan area in Japan and serves a major economic hub.Historically a merchant city, Osaka has also been known as the "Nation's Kitchen". With a population of 2.5 million, Osaka is Japan's third largest and second most important city. It has been the economic powerhouse of the Kansai region for many centuries. Thecity's west side has the main port as well as a tourist destination with attractions such as Kyocera Dome, Universal Studios Japan, Osaka aquarium, Minami, Osaka castle, Umeda sky building and the TempozanHarbour Village. Osaka is known for its food, both in Japan and abroad. Author Michael Booth and food critic François Simon of Le Figaro have both suggested that Osaka is the food capital of the world. Osaka's culinary prevalence is the result of a location that has provided access to high quality ingredients, a high population of merchants, and close proximity to the ocean and waterway trade. In recent years, Osaka has started to garner more attention from foreigners with the increased popularity of cooking and dining in popular culture. The National Museum of Art (NMAO) is a subterranean Japanese and international art museum, housing mainly collections from the post-war era and regularly welcoming temporary exhibitions. Osaka Science Museum is in a five storied building next to the National Museum of Art, with a planetarium and an OMNIMAX theatre.

You'll fall in love with Japan

Venue:
Hyatt Regency Osaka
1-13-11 Nanko-Kita, Suminoe-Ku Osaka
Japan 559-0034

Mail us to know more!

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