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13th International Conference and Exhibition on

Advanced Materials and Nanotechnology



October 26-28, 2017 Osaka, Japan

200+	15+	10+	50+	3+	10+	B2B
Participation	Interactive Sessions	Keynote Lectures	Plenary Lectures	Workshops	Exhibitors	Meetings

http://advancedmaterials.conferenceseries.com/

Invitation…

Dear Colleagues,

Conference Series is proud to announce the **13th International Conference on Advanced Materials and Nanotechnology**, which is to be held during **October 26-28, 2017** at **Osaka, Japan**.

On this great gathering, Organizing Committee invites participants from all over the globe to take part in this annual conference with the theme "**Exploring the Possibilities in the Field of Advanced Materials and Nanotechnology**". Advanced Materials 2017 aims at sharing new ideas and new technologies amongst the professionals, industrialists and students from research areas of Advanced Materials and Nanotechnology to share their recent innovations and applications and indulge in interactive discussions and technical sessions at the event.

The Conference will also have a space for companies and/or institutions to present their services, products, innovations and research results.

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.

- Advanced Materials and Nano Technology
- 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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Qatar University
Qatar



Abhijit Pramanick
City University of Hong Kong, Hong Kong

Tentative Agenda

October 26, 2017 Thursday

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: Advanced Materials and Functional Devices
13:00-13:45	Lunch Break**
13:45-16:00	Track 02: Engineering Materials
16:00-16:15	Network & Refreshments Break*
16:15-18:00	Track 03: Composite Materials
	Day Concludes

May 30, 2017 Friday

Time	Session
09:30-10:30	Keynote Forum
10:30-11:30	Track 04: Magnetism & Multiferroism | Track 05: Optical Materials and Plasmonics
11:30-11:45	Network & Refreshments Break*
11:45-13:00	Track 06: Energy and Harvesting Materials Track 07: Nanotechnology-Basics to Applications
13:00-13:45	Lunch Break**
13:45-16:00	Track 08: Nano Materials
16:00-16:15	Network & Refreshments Break*
16:15-18:00	Poster Presentations
	Day Concludes

May 31, 2017 Saturday

Time	Session
09:30-11:30	Track 09: Nano Structures
11:30-11:45	Network & Refreshments Break*
11:45-13:00	Track 10: Properties of Nano Materials | Track 11: Carbon Nanostructures and Graphene
13:00-13:45	Lunch Break**
13:45-16:00	Track 12: Spintronics | Track 13: Nanoparticle Synthesis and Applications
16:00-16:15	Network & Refreshments Break*
	Award Ceremony
	Conference Concludes

* Exclusive Exhibitor Event | ** Networking Event

Note: Conference schedule is subject to change.

Note: Workshops and Symposia slots are available. To book slot for Workshop and Symposium send us the proposal.

Confirmed Speakers

Oral Presentations

Title: Landfill leachate treatment using activated carbon obtained from coffee waste.Rodrigo Pobletea, Ernesto Cortesa, Yolanda Lunab.
Rodrigo Poblete, Universidad Católica del Norte, Coquimbo, Chile.

Title: Electrically driven plasmon nanosource, application to a plasmonic lens
Gérald Dujardin, Université Paris-Sud, Orsay, France

Title: Towards minimizing the consumption of heavy rare earths in the processing of Nd-Fe-B permanent magnets by electrophoretic deposition
Marko Soderžnik, Jožef Stefan Institute, Ljubljana, Slovenia

Title: Fabrication of Novel Proton conducting PVA-Terpolymer Composite Membrane for Direct Methanol Fuelcells
Mohanapriya Subramanian, India

Title: Smart Materials for Energy Harvesting and Thermal Management - Adaptive Control and Self-Driven Devices for Heat Transfer
yuyan Jiang, China Institute of Engineering Thermophysics, China

Title: New Advances in MOFs Photonics and Applications
Abderrazzak Douhal , Spain

Title: Magnetophoretic Spintronics for Digital Manipulation of Living Cells
CheolGi Kim, South Korea

Title: Trends In The Improvement Of Thermal And Sound Insulation Of The Jute-Based Composite Materials Filled With Polymer Materials
Mohamed Zakriya , India

Title: Fungal mediated silver nanoparticles synthesis using robust experimental design and its application in cotton fabric
Sulbha Girish Velhal , Savitribai Phule Pune University, India

Title: pH-sensitive amphiphilic polypeptide prodrug for NIR imaging-guided combined photodynamic therapy and chemotherapy
Zheng Ruan, University of Science and Technology of China, China

Advanced Materials and Functional Devices

Title: Multiphysics Property Aging as a Disorder Process in Heterogeneous Functional Materials
Kenneth Reifsnider, University of Texas Arlington Research Institute, USA

Title: PbS nanoparticles/single-wall carbon nanotubes nanohybrid materials synthesis by means of the pulsed laser deposition approach and their integration into photoactive devices
My Ali El Khakani, Université du Québec, Canada

Title: Accelerating the exploration of Li/Na-ion battery materials via enlarged crystal structure databases
Kai-Ming Ho, USA

Title: High Performance Complex Oxide Heterostructures for Nanoelectronic Devices
Sean Li, The University of New South Wales Sydney, Australia

Engineering Materials

Title: EXTRUDED BRIQUETTE (BREX) – New Chharge Component for Modern Metallurgy
Aitber Bizhanov, Metal and Coal Extrusion - RUSSIA and CIS Agent for JC Steele and Sons, INC, Russia

Title: Ultrathin multifunctional composite coatings
Väino Sammelselg, University of Tartu, Estonia
Title: Effect of heating rate and heating methodology on the mechanical and microstructural properties of Ti-6Al-4V alloy
Amal Shaji Karapuzha, The University of Sheffield, UK
Title: Role of pendant nitrile group on the liquid crystalline behavior of poly(2-cyano-p-phenylene terephthalamide) solutions in N,N-dimethyl acetamide/lithium chloride
Dae Eon Jung, South Korea
Title: Refinement of lamellar structures in binary Ti-Al alloys
Daixiu Wei, Tohoku University, Japan
Title: Tensile creep behavior and microstructural analysis of a die-cast Mg-4Al-4RE alloy modified by Ca-substitution of half RE
Jian MENG, Chinese Academy of Sciences, China
Title: Effect Of Mechanical Vibrations On Az91 Mg Alloy During Solidification
Upender Pandel, Malaviya National Institute of Technology, India

Composite Materials

Title: Fabrication and characteristics of carbon nanotube based field-responsive composite materials
Hyoung Jin Choi, Inha University, Korea
Title: Engineering of 2D and 3D Nanostructured Hybrid Composites for Enhanced Mechanical Properties
Bongjun Yeom, Myonji University, Korea
Title: Ensuring the Absence of Thermal Stresses in Inhomogeneous Bodies of Simple Shape using Thermal Field and Material Characteristics
Bohdan Kalynyak, Ukraine
Title: One-pot synthesis of SiBNC ceramic from polyborosilazane with different Si/B atom ratios
Hao Wang, China
Title: Mechanical properties and ablation properties of SiCf/SiC-TaC composites
Ke Jian, National University of Defense Technology,China
Title: Preperation of UV-opaque, visible-transparent acrylic-silica nanocomposite coating with remarkably enhanced physico-mechanical properties
Manouchehr Khorasani, Amirkabir University of Technology, Iran

Nano Materials& Nanostructures

Title: 9-3- Single Strand Helicoidal Nanofibers of Photo-Active Polyoxazolines
Vincent LAPINTE, University of Montpellier, France
Title: Lanthanide luminescence in nanocrystals and layered semiconductor nanosheets for biomedical and nanophotonic applications
Jianhua Hao, The Hong Kong Polytechnic University, Hong Kong
Title: Nanomaterials and Polymer Nanocomposites for Multifunctional Applications
Milind Kulkarni, Centre for Materials for Electronic Technology, India
Title: Improvement of CuO Nanostructure Fabrication Using Electrochemical Migration
Shintaro Fukaya, Japan
Title: Green Synthesis of Silver Nanoparticles by Pulsed Laser Irradiation: Effect of Hydrophilicity of Surfactants
Zameer Shervani, Japan
Title: Design and Fabrication of ZSO nanocomposite thin film based NO2 gas sensor
Bal Chandra Yadav, Babasaheb Bhimrao Ambedkar University, India

Title: Synthesis Pmma-Gold Core-Shell Based Metallodielectric Photonic Crystals As Substrates For Surface-Enhanced Raman Spectroscopy
Syara Kassim, Universiti Malaysia Terengganu, Malaysi
Title: Surface modification of TiO2 nanotubes by Grafting with APTS coupling agents.
HongPhan Duong, DaNang University of Technology, Viet Nam
Title: Effect of O2 or H2 gas addition to Ar gas on surface modification of fluoropolymer using atmospheric pressure plasma –Application for highly adhesive Ag wiring pattern on plasma-treated fluoropolymer
Yoshinori Kodama, Japan
Title: Optimizing the properties of TiO2 nanomaterials used as UV-blockers in sunscreen to maximise the efficiency and safety of the final product.
Jerome Labille, France
Title: The Link Between Microstructure and Friction in Metals
Michael Chandross, USA

Young Researchers Forum

Title: Fiber Network Modified with Graphene for Foldable and Wearable Electronics
Pietro Catalsi, Italian Institute of Technology, Genova, Italy
Title: Corrosion and wear behavior of harmonic structured SUS304L austenitic stainless steel
Prabhat K. Rai, Indian Institute of Technology Kanpur, UP, India
Title: Sintering of ceramic materials using Refused Derived Fuel (RDF): A non-isothermal kinetic model
Rababe SANI, Université de Toulouse, France
Title: Improvement of CuO Nanostructure Fabrication Using Electrochemical Migration
S Fukaya, , Tohoku Univ, Japan

Poster Presentations

Title: A self-corrugated surface of Graphene oxide to enhance sensitivity and responsibility for various graphene oxide applications
Seungdu Kim, Korea Aerospace University, South Korea.
Title: Rapid, Simple Detection of Oseltamivir-resistant influenza A Virus (H275Y mutation) using gold nanoparticles-based colorimetric probe capable of specific recognition to the H275Y NA mutation
Eun-Kyung Lim, Korea Research Institute of Bioscience and Biotechnology, Republic of Korea
Title: Synthesis of Mn3O4/AC nanocomposites as positive electrode for Lithium-ion Hybrid Supercapacitors
Biying Zhuang, Inner Mongolia University of Technology, China
Title: Enhancement in stability of yeast alcohol dehydrogenase by covalent immobilization on modified polyvinyl alcohol fiber solid support
Priya Shinde, CSIRO Research way Clayton VIC Australia, Australia
Title: The Effect of Carbon Materials on the Performance of a Direct Carbon Fuel Cell with Molten Hydroxide Electrolyte
Xiaofeng Li, Inner Mongolia University of Technology, China
Title: Hierarchical Porous Carbon Fiber Based on Natural Biomass Cotton for Supercapacitor Electrodes
Yao Zhang, Inner Mongolia University of Technology, China
Title: Influence of performance of a molten hydroxide direct carbon fule cell
Zhiguang Hu, Inner Mongolia University of Technology, China
Title: Use carbon nanotubes/carbon composite counter electrodes as hole transport layer for efficient methylammonium lead bromide perovskite solar cells
Xiaohui Liu, Inner Mongolia University of Technology, China

Title: Some challenges of carbon-based materials in electrochemical :First-principles prediction and Experiment validation
Zijun Shi, Inner Mongolia University of Technology, China
Title: E-BABE-Design and Synthesis of Zr-Containing Multinary Ceramics from Hybrid Polymers
Changwei Shao, National University of Defense Technology, China
Title: Synthesis, characterization and application of mesostructured silica-carbon composites
Nataliya Gerasymenko, Nuevo León Universidades, Mexico
Title: Effect of substrate temperature and flow rate of hydrogen gases on the characteristics of MZO and IGZO thin films
Ji Hoon Jeong, South Korea
Title: Synthesis and characterization of solids with strong basic properties applied as catalysts in the synthesis of pseudo ionone
Rodrigo Rodolfo Gonzalez Jimenez, Ciudad Universitaria, Mexico
Title: Material effects on arc characterisitcs and electrical contact damage
Seulki Hwang, Myongji University, South Korea
Title: E-BABE-Synthesis of antimicrobial trimethylchitosan / xanthan gum/ Ag nanocomposite
Mahmoud Abu Elella, Egypt
Title: Rietveld refinement of Ni50Ti50 prepared via mechanical alloying method
Elfahem Sakher, syte universtaire selebateriom, Algeria

Others

Title: Landfill leachate treatment using activated carbon obtained from coffee waste.Rodrigo Pobletea, Ernesto Cortesa, Yolanda Lunab.
Rodrigo Poblete, Universidad Católica del Norte, Coquimbo, Chile.
Title: Seasonal Evaluation and Nutritional Analysis of Mineral Elements, Heavy Metals, Amino Acids, Proximate Compositions and Organochlorine Pesticides of Cattle Milk
Aminuddeen Husseeine Abdu, Federal College Of Education, Nigeri
Title: Inclusion Characterization of API Steel Grades using Scanning Electron Microscope
Masoud Al-Gahtani, Saudi Arabia
Title: Nano-hardness Analysis of Dendritic and Inter-Dendritic Regions in AsCast Steel
Masoud Al-Gahtani, Saudi Arabia

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 . Osaka is Japan's third largest and second most important city. It has been the economic powerhouse of the Kansai region for many centuries. It is a standout amongst those biggest open aquariums in the world, widespread Studios japan spotted over Osaka, may be a standout amongst four widespread Studios subject parks settling on it those world's speediest entertainment mecca will bring attained those 10 million point of reference toward those time. Historically a merchant city, Osaka has also been known as the "Nation's Kitchen". With a population of 2.5 million, The city'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 Tempozan Harbour 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 aquarium Kaiyukan spotted in the ward about Minato to Osaka, Japan, close to Osaka cove Those Umeda sky fabricating may be those nineteenth-tallest fabricating to Osaka Prefecture, Japan, and a standout amongst those city's the vast majority unmistakable landmarks.

You'll fall in love with Japan



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

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