EuroSciCon

European Annual Conference on

Advance and Energy Materails

October 07-09, 2019

Osaka, Japan



Advanced Materials 2019

https://energy-materials.euroscicon.com/

Day 1, Agenda

General Session

08:00 AM — **INTRODUCTION**

09:00 AM — **PLENARY**

10:00 AM — **KEYNOTE**

Networking & Refreshments
Break @ Foyer

	HALL 01	HALL 02	HALL 03
11:00 AM	**Talks On:** Metals & Metallurgy	**Talks On:** Extrusion	**Talks On:** Fuel cells
	Talks On: Structural Materials	**Talks On:** Simulation of Metallurgical	**Talks On:** Metal Forming
	SESSION DISCUSSION	SESSION DISCUSSION	SESSION DISCUSSION
02:00 PM	**Panel Over:** Powder metallurgy	**Panel Over:** Materials processing and manufacturing	**Panel Over:** 3D Microstructural Characterization of Materials
	Workshop On: Modelling and simulation in material science and Engineering	**Workshop On:** 3D Microstructural Characterization of Materials	**Workshop On:** Simulation and manufacturing
	Lunch Break @ Restaurant	***Lunch Break @ Restaurant***	***Lunch Break @ Restaurant***
04:00 PM	**Talks On:** Multifunctional Energy Storage and Conversion Devices	**Talks On:** Advanced energy materials	**Talks On:** Structural materials
	Lectures on: Materials and manufacturing technologies	**Lectures on:** Tissue Engineering	**Lectures on:** Hard magnetic materials
06:00 PM	**Session On:** Digital manufacturing	**Session On:** Advanced device modelling and simulation	**Session On:** Metals and Metallurgy
	NETWORKING	NETWORKING	NETWORKING

Day 2, Agenda

General Session

08:00 AM — **INTRODUCTION**

09:00 AM — **PLENARY**

10:00 AM — **KEYNOTE**

Networking & Refreshments
Break @ Foyer

	HALL 01	HALL 02	HALL 03
11:00 AM	**Talks On:** Nano Biomedicine	**Talks On:** Concentrating Solar Power Materials and Systems	**Talks On:** Advanced energy materials
	Talks On: Ceramic Matrix Composite	**Talks On:** Cellular automaton	**Talks On:** Advanced device modelling and simulation
	SESSION DISCUSSION	SESSION DISCUSSION	SESSION DISCUSSION
02:00 PM	**Panel Over:** Thin Films and Surface Science	**Panel Over:** Carbon nanotubes	**Panel Over:** Concentrating Solar Power Materials and Systems
	Workshop On: Carbon nanotubes	**Workshop On:** Thin Films and Surface Science	**Workshop On:** Cellular automaton
	Lunch Break @ Restaurant	***Lunch Break @ Restaurant***	***Lunch Break @ Restaurant***
04:00 PM	**Talks On:** Cellular automaton	**Talks On:** Ceramic Matrix Composite	**Talks On:** Carbon nanotubes
	Lectures on: Concentrating Solar Power Materials and Systems	**Lectures on:** Nano Biomedicine	**Lectures on:** Thin Films and Surface Science
06:00 PM	**Session On:** Advanced device modelling and simulation	**Session On:** Digital Manufacturing	**Session On:** Ceramic Matrix Composite
	NETWORKING	NETWORKING	NETWORKING

Day 3, Agenda

General Session

08:00 AM — **INTRODUCTION**

09:00 AM — **PLENARY**

10:00 AM — **KEYNOTE**

Networking & Refreshments Break @ Foyer

	HALL 01	HALL 02	HALL 03
11:00 AM	**Talks On:** Advanced energy materials	**Talks On:** Materials and Manufacturing Technologies	**Talks On:** Digital manufacturing
	Talks On: Material handling	**Talks On:** Multifunctional Energy Storage and Conversion Device	**Talks On:** Materials and Manufacturing Technologies
	SESSION DISCUSSION	SESSION DISCUSSION	SESSION DISCUSSION
02:00 PM	**Panel Over:** Material selection in mechanical design	**Panel Over:** Modelling and simulation in material science and Engineering	**Panel Over:** Multifunctional Energy Storage and Conversion Devices
	Workshop On: Sustainable Materials Management	**Workshop On:** Powder Metallurgy	**Workshop On:** Modelling and simulation in material science and Engineering
	Lunch Break @ Restaurant	***Lunch Break @ Restaurant***	***Lunch Break @ Restaurant***
04:00 PM	**Talks On:** Simulation and manufacturing	**Talks On:** Structural Materials	**Talks On:** Powder Metallurgy
	Lectures on: 3D Microstructural Characterization of Materials	**Lectures on:** Metals and Metallurgy	**Lectures on:** Structural materials
06:00 PM	**Session On:** Fuel cells	**Session On:** Material selection in mechanical design	**Session On:** Metals and Metallurgy
	NETWORKING	NETWORKING	NETWORKING

EuroSciCon Material Science Past Conferences Program

Materials Congress 2018 Participants

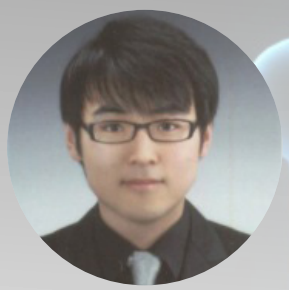
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Agenda Day 1: August 23, 2018

Hall Name **Meeting Place 1**

08:00-09:00 **Registrations**

09:00-09:30 **Opening Ceremony**

Keynote Session

09:30-10:10 **Title: Analysis of LENR and recommendations for cold fusion energy using the BSM-SG atomic models**
Stoyan Sarg Sargoytchev, World Institute for Scientific Exploration, USA

10:10-10:50 **Title: Basic properties of myosin head power and recovery strokes as revealed by experiments using the gas environmental chamber**
Haruo Sugi, Teikyo University, Japan

Group Photo: 10:50-11:00

Coffee Break: 11:00-11:20 @ Pre Function Area

11:20-12:00 **Title: New carbon based material obtained by γ quanta irradiation with threshold energy of 10MeV of pure gaseous He, under high pressure, in CuBe2 apparatus, physical properties and aspects of new nanotechnology**
Roland Wisniewski, Warsaw University of Technology, Poland

Sessions

Nanostructured materials | Nanostructured Materials | Materials Chemistry | Carbon Materials In Energy | Materials Physics | Emerging Technologies In Material Science | Aerospace materials | Polymer Energy Materials

Session Chair: Roland Wisniewski, Warsaw University of Technology, Poland

Session Co-Chair: Stoyan Sarg Sargoytchev, World Institute for Scientific Exploration, USA

12:00-12:20 **Title: Electronic materials research for energy and power applications**
Tsvetanka S Zheleva, US Army Research Lab, USA

12:20-12:40 **Title: Proposed link between the periodic table and the standard model**
John O Roberts, Freelance and former Open University Tutor, UK

12:40-13:00 **Title: Material science fractal nature analysis and energy engineering frontiers**
Vojislav V Mitic, University of Nis, Serbia

Lunch Break: 13:00-14:00 @ The Gallery

Special Session: 14:00-15:00

14:00-15:00 **Title: Failure by cracking**
John Campbell, University of Birmingham, UK

15:00-15:20 **Title: Effect of Ni to Cu ratio on formation of oxide scale at high temperature**
Shrikant Jadhav, Bharat Forge Ltd –KCTI, India

15:20-15:40 **Title: Study on reduction process of metal oxide under microwave irradiation**
Satoshi Fujii, National Institute of Technology/Tokyo Institute of Technology, Japan

15:40-16:00 **Title: Super-Resolution optical microscopy for structure analysis of polymer materials**
Hiroyuki Aoki, J-PARC Center, Japan

Coffee Break: 16:00-16:20 @ Pre Function Area

16:20-16:40 **Title: Microstructural behaviour of Ti6Al4V during room temperature deformation**
Gajanan Kulkarni, Kalyani Centre for Technology and Innovation Bharat Forge Ltd, India

16:40-17:00	**Title: Synthesis and characterization of nanocrystalline CoFeMnNiAl high-entropy alloy** **M Yazdan Mehr,** Delft University of Technology, Netherlands
17:00-17:20	**Title: Improvement in wear resistance of AISI H13 steel by Pack-Boronizing method** **Niketan Manthani,** Kalyani Centre for Technology and Innovation Bharat Forge Ltd, India
17:20-17:30	**Discussion Time**
17:30-17:45	**Chairman's Summing Up**

Panel Discussion

Agenda Day 2: August 24, 2018

Hall Name **Meeting Place 1**

Keynote Session

09:30-10:10	**Title: Enamel coating for steel rebar in concrete: Corrosion barrier and bond enhancer** **Genda Chen,** Missouri University of Science and Technology, USA
10:10-10:50	**Title: Nanostructured composite coating orientants in tribo-engineering** **V A Levchenko,** Lomonosov Moscow State University, Russia

Coffee Break: 10:50-11:10 @ Pre Function Area

11:10-11:50	**Title: Monomers, biopolymers and biomaterials from renewable lipid resources** **Aman Ullah,** University of Alberta, Canada

Material Science and Engineering | Advanced Engineering Materials | Nanostructured Materials | Composite Materials | Carbon Materials In Energy | Materials Physics

Session Chair: Genda Chen, Missouri University of Science and Technology, USA

Session Co-Chair: V A Levchenko, Lomonosov Moscow State University, Russia

11:50-12:10	**Title: Functional materials: Development of nanostructured ceramic-metal xylan of a coating with the operated wetting** **V A Levchenko,** Lomonosov Moscow State University, Russia
12:10:12:30	**Title: Specific features of electrons in nanostructured materials according to twin physics** **Anna C M Backerra,** Independent Physicist, Netherlands
12:30-12:50	**Title: The effect of Mo addition on structure and glass forming ability of Ni-Zr alloys** **Zean Tian,** Hunan University, China
12:50-13:10	**Title: The effect of silver nanoparticles on the antioxidant capacity and total soluble protein pattern in tomato seedlings under in vitro culture** **Roya Razavizadeh,** Payame Noor University, Iran

Lunch Break: 13:10-14:10 @ The Gallery

14:10-14:30	**Title: Methylene blue sorption on CS/nano-γ alumina as a novel and environmentally friendly adsorbent** **Abbas Teimouri,** Payame Noor University, Iran
14:30-14:50	**Title: Deformation behaviour of functionally graded shape memory alloys** **Bashir S. Shariat,** The University of Western Australia, Australia

Poster Presentations 14:30-16:00 @ Pre Function Area

Poster Judge 1: Genda Chen, Missouri University of Science and Technology, USA

Poster Judge 2: V A Levchenko, Lomonosov Moscow State University, Russia

MC-01	**Title: Fractal nature materials analysis within the new and alternative energy sources** **Vojislav V Mitic,** University of Nis, Serbia

MC-02	**Title: Degradation mechanisms of Bisphenol A Polycarbonate (BPA-PC) in led-based products** **M Yazdan Mehr,** Delft University of Technology, Netherlands
MC-03	**Title: Self-Centering capacity of superelastic shape memory alloy fibers in mortar** **Eunsoo Choi,** Hongik University, Korea
MC-04	**Title: Preparation of 3D graphene with microwave-hydrothernal assistance for ultrahigh performance of capacitive deionization** **Shou-Heng Liu,** National Cheng Kung University, Taiwan
MC-05	**Title: Effect of Ga concentration on electrical properties of InP quantum dot laser diode structures** **M S Al-Ghamdi,** King Abdulaziz University, Saudi Arabia
MC-06	**Title: Synthesis of barium aluminogermanate by citrate method** **Jesús Roberto Rodríguez Sanchez,** Facultad de Ciencias Quimicas UAdeC, México
MC-07	**Title: Piezo-Triboelectric hybrid nanogenerator for raindrop energy harvesting** **Atissun Kittilaksanon,** The Petroleum and Petrochemical College, Chulalongkorn University, Thailand
MC-08	**Title: Synthesis and characterization of solids with strong acidic and basic properties applied as catalysts in the synthesis of ionones** **Gonzalez Jimenez Rodrigo Rodolfo,** Benemérita Universidad Autónoma De Puebla (BUAP), Mexico
MC-09	**Title: Synthesis and characterization of carboxymethyl cellulose from waste nata de coco** **Lalita Narkyos,** The Petroleum and Petrochemical College, Chulalongkorn University, Thailand
MC-10	**Title: Improving molecular weight of natural oil-plasticized PLA by chain extender** **Supanut Kitphaitun,** The Petroleum and Petrochemical College, Chulalongkorn University, Thailand
MC-11	**Title: Study on manufacture of nanofibers using biodegradable polyester materials** **Hee Dong Lee,** Korea Institute of Industrial Technology (KITECH), Korea
MC-12	**Title: Fabrication and characterization of rhodamine dye based colorimetric textile sensor for acidic gas detection** **Young Ki Park,** Korea Institute of Industrial Technology (KITECH), Korea
MC-13	**Title: Fabrication and characterization of dimethine dye based colorimetric textile sensor for alkaline gas detection** **Jee Young Lim,** Korea Institute of Industrial Technology (KITECH), Korea
MC-14	**Title: Measurement of dyeing behavior using PVDF's real-time dyeing behaviour monitoring system** **Seok Il Hong,** Korea Institute of Industrial Technology (KITECH), Korea
MC-15	**Title: Used of automated software tool for analysing and estimating optimal parameters of jet engine parts production** **Sandra Puchlerska,** AGH University of Science and Technology, Poland

Coffee Break: 16:00-16:20 @ Pre Function Area

16:20-16:40	**Question Time & Best YRF/Poster Felicitation** **Networking Session and Chairman's Summing Up**

Agenda Day 3: August 25, 2018

Networking and Lunch 13:00-14:00 @ The Gallery

Mark your calender

Advance and Energy Materials

Advance and Energy Materials

October 07-09, 2019
Osaka, Japan

Email: energymaterials@eurosciconevents.

Website: https://energy-materials.euroscicon.com

European Conference on Lasers, Optics and Photonics

May 09-11, 2019
Stockholm, Sweden

Email: optics@engineeringeuroscicon.com

Website: https://optics.euroscicon.com/

Agenda Day 1: October 04, 2018

08:00-08:30 **Registrations**

08:30-08:55 Opening Ceremony

08:55-09:00 **Introduction**

Session Start @ Meeting Place 1

Keynote Presentations

09:00-09:30 **Title: Microfluidics-enabled Structures for Manipulating Liquids**
Liqiu Wang, University of Hong Kong, Hong Kong

09:30-10:00 **Title: Innovative Wave Power Generator System Using Dielectric Elastomer**
Seiki Chiba, Chiba Science Institute, Japan

10:00-10:30 **Title: Graphene based platforms for biosensing and enhanced optical imaging**
Alicia de Andres, Materials Science Institute of Madrid, Spain

10:30-11:00 **Title: Photo-Atomic-Layer-Etching: an innovative tool for nanostructuring of quantum semiconductor microstructures**
Jan J Dubowski, University de sherbrooke, Canada

Group Photo : 11:00-11:05

Networking & Refreshments 11:05-11:20 @ Pre Function Area

Plenary Session

Nano Fluidics | Nanoscience and Technology | Graphene and its Applications | Nano Composites | Nano Medicine | Nano Materials Synthesis and Characterisation | Materials Science and Engineering Physics | Smart Materials and Technologies

Session Chair: **Jinping Suo,** Huazhong University of Science and Technology, China

Session Co-Chair: **Hongwei Zhu,** Tsinghua University, China

11:20-11:45 **Title: Shape Memory Behavior and Their applications of Bio-based Fibers**
Jinlian Hu, The Hong Kong Polytechnic University, China

11:45-12:10 **Title: Graphene NEMS technology for extreme sensing and nano thermal engineering**
Hiroshi Mizuta, Japan Advanced Institute of Science and Technology, Japan

12:10-12:35 **Title: Microtubular nanomembrane devices: From nanophotonics to nanorobotics**
Oliver G Schmidt, IFW Dresden, Germany

12:35-13:00 **Title: Nanoparticles Tailored High Voltage Insulation Materials**
Jinliang He, Tsinghua University, China

13:00-13:25 **Title: Novel Perspectives in Nanomedicine: example of engineered nanoparticles for breast cancer therapy**
Macarena Peran, University of Jaen, Spain

Lunch Break 13:25-14:00 @ The Gallery

Special Workshop Session @ 14:00 - 15:20

Nanotechnology based solutions for enhanced products and processes in existing industrial manufacturing plants

Session Chair: **Elena Melotti,** Warrant Group S.r.l. - Gruppo Tecnoinvestimenti, Italy

14:00-14:20 **Title: IZADI-NANO2INDUSTRY: an H2020 project to impulse the uptake of nanotechnology based solutions**
Cristina Elizetxea, TECNALIA, Spain
Maider Garcia de Cortazar, TECNALIA, Spain
Isella Vicini, Warrant Group S.r.l. – Gruppo Tecnoinvestimenti, Italy

14:20-14:40 **Title: Nanoreinforced thermoplastic based on masterbatches and inserts with nanotextured surfaces for injection moulds**

Mario Ordonez, MAIER Technology Centre, Spain
Alicia Johansson, NIL Technology ApS, Denmark

14:40-14:50 **Title: Nano-reinforcements added and dispersed via master-pellets in a new, low cost and safe gravity casting process**

Pedro Egizabal, TECNALIA, Spain

14:50-15:10 **Title: Nanostructured powders for metallic cermet coatings and thermal spray technology for solid state deposition**

Maria Parco, TECNALIA, Spain
Riccardo Borghini, Bonfiglioli Riduttori, Italy

15:10-15:20 **Title: Industrialization challenges**

Angel Hernán, SISTEPLANT, Spain
Nagore García, SEMATEC, Spain

Plenary Session continues

15:20-15:45 **Title: Ultra-sensitive Graphene Sensors for IoT Applications**

Hongwei Zhu, Tsinghua University, China

15:45-16:10 **Title: Diversification of Nanowire Building Blocks by Post-synthesis Modifications; Monolayer Doping & Self-processing Synthesis**

Roie Yerushalmi, The Hebrew University, Israel

16:10-16:35 **Title: How to: GMP manufacturing of nanomedicines for clinical trials**

Silvie Meeuwissen, ChemConnection, Netherlands

Networking & Refreshments 16:35-16:50 @ Pre Function Area

16:50-17:15 **Title: Nanotechnology, cementitious nanocomposites and restoration materials**

Styliani Papatzani, University of Brighton, UK

17:15-17:40 **Title: Printing Nanostructures on Contact Lenses for Wearable Diagnostics**

Haider Butt, University of Birmingham, UK

Speaker Session

17:40-18:00 **Title: Nanostructured sensors for colorectal cancer screening device**

Giulia Zonta, University of Ferrara, Italy

18:00-18:20 **Title: Bare eye detection based on gold nanoparticles as alternative for traditional analytical methods**

Essy Kouadio Fodjo, Felix HOUPHOUET-BOIGNY University, Cote dIvoire

Agenda Day 2: October 05, 2018

Keynote Presentations

09:00-09:30 **Title: Bioinspired wettability surfaces: Development in micro- and nanostructures**

Yongmei Zheng, Beihang University (BUAA), Beijing, China

09:30-10:00 **Title: Nanomaterials for transparent electrodes: properties, challenges and prospects**

Daniel Bellet, Grenoble University France

10:00-10:30 **Title: Vacancy-mediated self- and inter-diffusion in intermetallics: Kinetic Monte Carlo simulation**

Rafal Kozubski, Jagiellonian University, Poland

10:30-11:00 **Title: Thymoquinone-Based Nanoformulations for Cancer Treatment**

Hala Gali-Muhtasib, American University of Beirut, Lebanon

Networking & Refreshments 11:00-11:15 @ Pre Function Area

Plenary Session

Advanced Nanomaterials | Nano Medicine | Nanotech for Energy and Environment | Nano Composites | Nanoscience and Technology | Nanotechnology in Agriculture and Food Industry | Material science and Engineering Physics | Materials for Energy and Environmental Sustainability | Physics and Chemistry of Materials | Emerging Smart Materials | Nanomaterials and Nanotechnology | Smart Biomaterials and Medical Devices | Market Demand and Value | Mechanics, Characterization Techniques and Equipments

Session Chair: Alojz Ivankovic, University College Dublin, Ireland

Session Co-Chair: Jaehwan Kim, Inha University, South Korea

11:15-11:40 **Title: The Quasi-Solid State Single-Atom Transistor: Perspectives for Quantum Electronics at Room Temperature**

Thomas Schimmel, Karlsruhe Institute of Technology, Germany

11:40-12:05	**Title: Effect of different nitride nano-particles on the hydrogen permeability of N-ODS steel** **Jinping Suo,** Huazhong University of Science and Technology, China
12:05-12:30	**Title: Cellulose based Smart Materials for Future Technology** **Jaehwan Kim,** Inha University, South Korea
12:30-12:55	**Title: Bulk Nanostructured Materials produces by severe plastic deformation – science and applications** **Daria Setman,** University of Vienna, Austria
12:55-13:20	**Title: Tomographic and chemical analysis of the lipid vesicles inside bacteria for biofuel production by a new multi-frequency UA-AFM-IR platform** **Eric Lesniewska,** University of Bourgogne, France
	Lunch Break 13:20-13:50 @ The Gallery
13:50-14:15	**Title: Nanostructured catalysts for CO2 reduction** **Angelica Chiodoni,** Istituto Italiano Di Tecnologia, Italy
14:15-14:40	**Title: Selective Laser Processing of Metal Nanomaterials for Flexible and Stretchable Electronics Applications** **Seung Hwan Ko,** Seoul National University, South Korea
14:40-15:05	**Title: Thin and ultrathin protective coatings – multifunctional and industrial** **Vaino Sammelselg,** University of Tartu, Estonia
15:05-15:30	**Title: Tailoring the properties of structural adhesives and fibre reinforced plastics using nano-additives** **Alojz Ivankovic,** University College Dublin, Ireland
15:30-15:55	**Title: Implementation of an Analytical Methodology to Assess the Fraction of TiO2 Nanoparticles in Food Additive E171 by EM and SP-ICP-MS** **Eveline Verleysen,** Sciensano Research Institute, Belgium
15:55-16:20	**Title: Nanodielectrics for High-Temperature Film Capacitors** **Qi Li,** Tsinghua University, China
	Networking & Refreshments 16:20-16:35 @ Pre Function Area
16:35-17:00	**Title: Glucose Sensor Using Microwave Sensing Technique** **Poonam Agarwal,** Jawaharlal Nehru University, India
17:00-17:20	**Title: Mixed monolayer and PEG Linker Functionalised Gold Nanoparticles** **Dorian Dixon,** Ulster University, Ireland
17:25-17:50	**Title: Deep Learning for MEMS** **Ankit Agarwal,** Mobileum India Private Ltd., India
	Young Researchers Forum
17:50-18:05	**Title: Evaluation of an EM- and SP-ICP-MS-based methodology to characterize the nano-sized fraction of particles in food additive E174** **Sandra De Vos,** Sciensano Research Institute, Belgium
	Poster Presentation 18:05-18:20 @ Pre Function Area
NSM-01	**Title: Detection of nuclear material with moisture concent by using LIBS technique** **Seunghyun Kim,** Korea Radioactive Waste Agency, Korea
NSM-02	**Title: The Control Mechanism of Nano SiO2/Epoxy Composite Coating on Surface Charge in Epoxy Resin** **Youping Tu,** North China Electric Power University, China

Agenda Day 3: October 06, 2018

Keynote Presentations

09:00-09:30	**Title: Wind tunnel test of dielectric elastomer actuator for Mars airplane** **Koji Fujita,** Tohoku University, Japan
09:30-10:00	**Title: Soft Two-Dimensional Nanomaterials at Biointerfaces** **Mohsen Adeli,** Free University of Berlin, Germany

Plenary Session

Smart Structures | Smart Materials in Industrial Application | Nanotech for Energy and Environment | Nanoscience and Technology | Materials Science and Engineering Physics | Advanced Nanomaterials | Nano Medicine | Ceramics and Composite Materials | Graphene and 2D Materials

Session Chair: **Thomas Schimmel,** Karlsruhe Institute of Technology, Germany

Session Co-Chair: **Daria Setman,** University of Vienna, Austria

10:00-10:25 **Title: The Salvinia Effect: Perspectives for Drag Reduction and Antifouling Using a Permanent Layer of Air Under Water**
Thomas Schimmel, Karlsruhe Institute of Technology, Germany

10:25-10:50 **Title: Assessment of representative material properties of ceramic materials through inverse analysis**
Vladimir Buljak, University of Belgrade, Serbia

10:50-11:15 **Title: A concept of double layer capacitance motivated by nanotechnology**
Jingyuan Chen, University of Fukui, Japan

11:15-11:40 **Title: Widefield confocal microscope for surface wave k-vector measurement**
Suejit Pechprasarn, Rangsit University, Thailand

Networking & Refreshments 11:40-12:00 @ Pre Function Area

Speaker Session

12:00-12:20 **Title: A magnetic SERS probe fabrication & in cell**
Huanhuan Feng, Harbin Institute of Technology, China

12:20-12:40 **Title: Tumor Vascular Embolization Therapy Triggered via BBR Nanoparticle Aggregation**
Tingting Zheng, Peking University, China

12:40-13:00 **Title: The Effect of Magnetic Resonance Imaging (MRI) on Some Properties of Acrylic Resin Denture Base Materials**
Ahmed I. AL-Khyet, Mosul University, Iraq

13:00-13:20 **Title: Strengthening of Prestressed Steel–Concrete Composite Beams Using Carbon Fiber tendons (Parametic study)**
Ahmed Elbelbisi, Zagazig University, Egypt

13:20-13:40 **Title: Structural Health Monitoring Based on Wave Propagation Pattern in Space Frame Structures**
Mohammad Tahay Abadi, Aerospace Research Institute, Iran

13:40-14:00 **Title: Green synthesis of iron oxide nanorods from deciduous Omani mango tree leaves for heavy oil viscosity treatment**
Majid Al-Ruqeishi, Sultan Qaboos University, Oman

Lunch Break 14:00-15:00 @ The Gallery

Panel Discussion & Closing Ceremony

Past Affiliates

Michael Giersig
Freie Universität Berlin, Germany

Filippo Berto
Norwegian University of Science and Technology, Norway

Ioanna Giouroudi Jovanović
Vienna University of Technology, Austria

Boris Chichkov
Laser Zentrum Hannover e.V., Germany

Said A Mansour
Qatar Foundation Institute, Qatar

Mohabattul Zaman Bukhari
Universiti Malaysia Perlis, Malaysia

Robert Brandt
University of Siegen, Germany

Yuri S. Kivshar
Australian National University, Australia

Yongmei Zheng
Beihang University, China

Francisco Javier Pérez Trujillo
Universidad Complutense Madrid, Spain

Leonid Getsov
NPO ZKTI, Russia

Martina Stefanova-Atanasova
KAOLIN LEAD, Bulgaria

Luc Avérous
University of Strasbourg, France

Luísa M.D.R.S. Martins
Portuguese Electrochemical Society, Portugal

Han-Taw Chen
National Cheng Kung University, Taiwan

Reza Ektesabi
Canadian Nano Society, Canada

Ricardo Branco
University of Coimbra, Portugal

Shlomo Berger
Technion, Israel

Max Lu
University of Surrey, Australia

Ghada Amer
Arab Science and Technology Foundation, Egypt

Zizi Abdeen
Egyptian Petroleum Research Institute, Egypt

Jakob Kübarsepp
Tallinn Ubiversity of Technology, Estonia

Nikolai A. Sobolev
University of Aveiro, Portugal

Teresa Monteiro
University of Aveiro, Portugal

"Virginie M. Boucher
Megatech Industries, Spain"

"Haruo Sugi
Teikyo University Medical School, Japan"

"Ming Dao
Nanomechanics Laboratory, MIT, USA"

"Hikmat S. Hilal
An-Najah N. University, Palestine"

"Itai Pelled
TIPA Corp, Israel"

"Genda Chen
Missouri University of Science and Technology , USA"

"Barbara Bonelli
Politecnico di Torino, Italy"

"Kar Seng (Vincent) Teng
Swansea University, UK"

"Peng-Sheng Wei
National Sun Yat-Sen University , Taiwan"

"Ali Sabea Hammood
University of Kufa, Iraq"

"Bingkun K. Chen
Mayo Clinic, USA"

"Rafal Abdank-Kozubski
Jagiellonian University, Poland"

Materials Science & Technology 2020

Past Affiliates

"Mehdi Saniei
University of Toronto, Canada"

"Nekane Guarrotxena
Institute of Polymers Science and Technology, Spain"

"Jacek Przybylski
Czestochowa University of Technology, Poland"

"Rahul Mane
Shivaji University, India"

"Mustafa Soylak
Erciyes University, Turkey"

"Kwun Nam HUI
University of Macau, China"

"Ali Omar
Central Metallurgical R& D Institute, Egypt"

"Dinesh Amalnerkar
Sungkyunkwan University, South Korea"

"L.W. Zhang
Shanghai Jiao Tong University, China"

"Oras A. S. Al-Ani
Newcastle University, UK"

"Jinn P. Chu
National Taiwan University of Science and Technology, Taiwan "

"Dan Cohen
Informatix, Contractor of the Israeli Space Agency, Israel"

"Monika Michalska
Institute of Electronic Materials Technology, Poland"

"Habil. Simona Cavalu
University of Oradea, Romania"

"Jesus Ma. Rincon
Eduardo Torroja Institute for Construction Sciences, Spain"

"Mary M. Eshaghian-Wilner
University of Southern California, USA"

"Meiyong Liao
National Institute for Materials Science, Japan"

"Frederic Aguesse
CIC Energigune, Spain"

"Jordi Arbiol
Institut Català de Nanociència i Nanotecnologia (ICN2), CSIC, Spain"

"Hamed Sabet
Islamic Azad University, Iran"

"Ester Barrachina Albert
Universitat Jaume I, Spain"

"Devesh K. Agrawal
Baker Hughes, Enterprise Research, USA"

"Milica Marceta Kaninski
Vinca Institute of Nuclear Sciences, Serbia"

"Maximina Romero
Eduardo Torroja Institute for Construction Sciences, Spain"

"Amer A. Taqa
Mosul University, Iraq"

"Ajay Kumar Mishra
University of South Africa, South Africa"

"Angelo R. Maligno
University of Derby, UK"

"A. Abdelghani
National Institute of Applied Science and Technology (INSAT, Tunisia) , Tunisia"

"Raja Rizwan Hussain
King Saud University, Saudi Arabia"

"Oleg L. Figovsky
INRC Polymate, Israel"

"Lars Montelius
International Iberian Nanotechnology Laboratory (INL), Portugal "

"Sevil Dinçer İşoğlu
Abdullah Gul University, Turkey"

"Dongyang Li
University of Alberta, Canada"

"Alexander M. Seifalian
University College London, UK"

"Ivana Validžić
Vinca Institute of Nuclear Sciences, Serbia"

"Abbas Amini
Western Sydney University, Australia"

"Ivoyl P. Koutsaroff
Qorvo Inc, USA"

"Brian Yuliarto
Institut Teknologi Bandung, Indonesia"

"Hiroyuki Serizawa
Japan Atomic Energy Agency, Japan"

Past Affiliates

"Manijeh Razeghi Northwestern University, USA"	"Alexander Böker Fraunhofer- Institute for Applied Polymer Research (IAP), Germany"	"Alexander Karamanov Bulgarian Academy of Sciences, Bulgaria"
"Detlef Bahnemann Leibniz University of Hannover, Germany"	"Jiabao Yi UNSW, School of Materials Science and Engineering, Australia"	"Yogendra Kumar Mishra Christian Albrechts University of Kiel, Germany"
"Fabrizio Pirri Italian Institute of Technology, Italy"	"Shanmuka Sundaram K.S.Rangasamy College of Technology, India"	"Carlo Montemagno University of Alberta, Canada"
"Marie Paule Pileni University P&M Curie, UPMC, France"	"Shaojun GUO Peking University, China"	"Dimitris Niarchos Amen Technologies, Greece"
"Marcelle Gaune Escard Ecole Polytechnique, France"	"Guoqian Chen Peking University, China"	"Anton Liopo UT MD Anderson Cancer Center, United States"
"Frank Volke Fraunhofer IBMT, Germany"	"Dong Fang Yang National Research Council, Canada"	"GONG Hao National University of Singapore, Singapore"
"Piedad N de Aza Miguel Hernandez de Elche University, Spain"	"Sirikanjana Kasetsart University, Thailand"	"Samuel Frimpong M U S T, USA"
"Pankaj Vadgama Queen Mary University of London, UK"	"Elias Siores University of Bolton, United Kingdom"	"P V Radovanovic University of Waterloo, Canada"
"Angelo Rosario Maligno University of Derby, UK"	"Amr Elnashai Penn State University, USA"	"Antonio Zuorro University of Rome, Italy"
"Annamaria Cucinotta University of Parma, Italy"	"David Cardwell University of Cambridge, United Kingdom"	"Anshuman Srivastava SIET Allahabad, India"
"Yuyuan Zhao University of Liverpool, UK"	"Il Kim Pusan National University, Republic of Korea"	"Alessandra Vitale Politecnico di Torino, Italy"
"Hicham Fenniri Northeastern University, USA"	"KM Liew City University of Hong Kong, Hong Kong"	

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