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Tentative Program

3rd International Conference on Electrochemistry

July 10-11, 2017 Berlin, Germany

Theme: "Unleashing various aspects and recent advancements in Electrochemistry"



For Available Speaker Slots

electrochemistry@chemistryconference.org

Conference Secretariat

Conference Series LLC 2360 Corporate Circle, Suite 400 Henderson, NV 89074-7722, USA

Tel: +1-888-843-8169, Fax: +1-650-618-1417, Ph: +1-650-268-9744, Toll free: +1-800-216-6499

Email: electrochemistry@chemistryconference.org, electrochemistry@conferenceseries.com

July 10-11,2017 Berlin, Germany

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
		09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
	11.00-12.40	5 Speakers (20 Mins Each)	
Evening Sessions			
	Lunch Break 12.40-13.30		
	13.30-15.30	6 Speakers (20 Mins Each)	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	5 Speakers (20 Mins Each)	

Day 1 — 19 Speakers for

Day 2

		Time	Session 1	Session 2
Morning Sessions	09.00-10.40		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	Coffee/Tea Break 10.40-10.55 (Networking)			
	10.55-12.35		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Evening Sessions	**Lunch Break 12.35-13.25**			
	13.25-15.05		**5 Speakers (20 Mins Each)**	**5 Speakers (20 Mins Each)**
	Poster Sessions			
	Coffee/Tea Break 15.05-15.20 (Networking)			
	15.20-17.00		**5 Speakers (20 Mins Each)**	**5 Speakers (20 Mins Each)**

Day 2 — 40 Speakers on

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

For more Details PS: http://electrochemistry.conferenceseries.com/

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

Call for Abstract: http://electrochemistry.conferenceseries.com/call-for-abstracts.php

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E-Poster: http://electrochemistry.conferenceseries.com/eposter-presentation.php

Glimpses of Chemisty Conferences














Glimpses of Chemisty Conferences















City Attractions of Berlin



Berlin Cathederal



Berlin Wall



Brandenburg-Gate



Charlottenburg Palace



Memorial to the Murdered Jews of Europe



Museum Island



Neues Museum



Pergamon Museum



Reichstag building

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665th Conference

Scientific Program

6th International Conference and Exhibition on

Materials Science and Engineering

September 12-14, 2016 Atlanta, USA



Hosting Organizations: Conference Series LLC
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Heathrow Stockley Park Lakeside House, 1 Furzeground Way, Heathrow, UB11 1BD, UK, Tel: +1-800-216-6499
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Registrations

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Opening Ceremony

Introduction

Title: Small things offer big promise

Carlo Montemagno, University of Alberta, Canada

Title: Materials and processing opportunities and challenges for transformation of global electricity infrastructure

Rajendra Singh, Clemson University, USA

Title: Heat resistant engineering materials for industrial application

Zofia Niemczura, Arcelormittal Global R&D, USA

11:00-11:25 Title: A multi-layered composite ensuring harmless to the human body and implant longevity of hip prosthesis in orthopedics

Masaru Matsuo, Dalian University of Technology, China

Title: Electrical conduction mechanism of volume and surface resistivities of multi-walled carbon nanotubes doped polyvinyl alcohol (PVA) and the pyroelectric behavior of polyvinylidene difluoride (PVDF) thin films

Matthew E Edwards, Alabama A&M University, USA

Title: An approximate semiclassical method that uses real valued trajectories for time dependent tunneling calculations

Michael F Herman, Tulane University, USA

Title: Tuning electrical conductivity with photoirradiation and electric field in organic crystals and ionic solids

Nobuhiro Ohta, National Chiao Tung University, Taiwan

Title: Fine-controlled subano-metal particles in a dendrimer reactor

Kimihisa Yamamoto, Tokyo Institute of Technology, Japan

Title: Study of the adsorption of simple molecules on metal oxides by ab initio calculations. Application to the detection of gas

Caroline Lambert-Mauriat, Aix Marseille Université, France

Title: *In situ* investigations of particle-mediated crystal growth

Dongsheng Li, Pacific Northwest National Laboratory, USA

Title: Terahertz laser sources based on difference frequency generation of infrared nonlinear optical materials $SnGa_4Q_7$ (Q = S, Se)

Wen-Dan Cheng, Chinese Academy of Sciences, China

Title: Microstructure and mechanical properties of a low C medium Mn heavy plate steel

Lin-Xiu Du, Northeastern University, China

Title: Microstructure and mechanical property of vacuum rolled Ni-based alloy/pipeline steel clad plate

Guang-ming XIE, Northeastern University, China

Title: Spinel ferrite films with enhanced magnetization and large magneto-resistance

Jun Ding, National University of Singapore, Singapore

Title: Degradation of crystallinity and properties of advanced functional materials caused by anisotropic local diffusion of component atoms under severe operating conditions

Hideo Miura, Tohoku University, Japan

Title: A high-entropy alloy with ultrahigh ductility breaks strength-ductility paradox

Yonghao Zhao, Nanjing University of Science and Technology, China

Title: Research on the optimization mechanism of loading path for hydroforming process

Zong-an LUO, Northeastern University, China

Title: Process research on the stainless steel / low alloy steel clad plate prepared by vacuum hot rolling

Feng Ying-ying, Northeastern University, China

Title: On sample structure for fabricating micro-material by electromigration

Yasuhiro Kimura, Tohoku University, Japan

Title: Tailoring surface charge to antifouling applications

Guo Shanshan, National University of Singapore, Singapore

Title: Analysis and simulation guided processing of hierarchical porous and multi-layered ceramics for energy applications

Rajendra Bordia, Clemson University, USA

Title: Effect of passivation on suppression or utilization of atomic migration phenomena in metallic thin-film materials

Masumi Saka, Tohoku University, Japan

Title: Fabrication of aluminum matrix composites with nano-sized reinforcements via friction stir processing

Zong-yi Ma, Chinese Academy of Sciences, China

Title: Synthesis and preparation of nanocomposites of metal oxide and metal sulphide by electrochemical, hydrothermal and biological method: Its application for polymer nanocomposites, antibacterial, photo-voltaic and as photocatalyst

Sannaiah Ananda, University of Mysore, India

Title: Energy storage material

Subramanian Selladurai, Anna University, India

Title: Micro-beam laser ablation/mass spectrometry for materials depth-profiling and elemental surface distribution studies – Polymers, waxes, asphaltenes, steels

Avin Pillay, The Petroleum Institute, UAE

Title: Synthesis of carbon hollow spheres by a modified hydrothermal carbonization method

Mingli Qin, University of Science and Technology Beijing, P.R. China

Title: Transmission electron microscopy – A versatile tool to study the microstructure of HT-PEMFC

Christina Scheu, Max-Planck-Institute, Germany

Title: Hollow polydopamine nanoparticles loaded ionic liquid and doxorubicin for combined chemotherapy and microwave thermal therapy of cancer

Tianlong Liu, Chinese Academy of Sciences, P. R. China

Title: Large pulsed electron beam surface treatment of woven carbon fiber/ZnO nanorod/polyester resin composites

Hyung Wook Park, Ulsan National Institute of Science and Technology, Rep. of Korea

Title: The design, synthesis and application of microwave susceptible agents for tumor microwave thermotherapy based on confinement mechanism

Xianwei Meng, Chinese Academy of Sciences, China

Title: Synthesis and characterization of hybrid nanoparticles for biomedical and environmental remediation applications

Soubantika Palchoudhury, University of Tennessee, USA

Title: Luminescent periodic microstructures for medical applications

Kenta Miura, Gunma University, Japan

Title: Alumina-based nanocomposites using graphite nanoplatelets as reinforcement

Syed Nasimul Alam, National Institute of Technology Rourkela, India

Title: $BiVO_4$ and WO_3 nanophotocatalysts: Water-splitting and environmental applications

G. T. Chandrappa, Bangalore University, India

Title: Null current hysteresis for acetylacetonate based perovskite solar cells as electron extraction layer

Abd. Rashid bin Mohd Yusoff, Kyung Hee University, South Korea

Title: Nitrogen doping into ZnO branched nanowire by plasma treatment and its effect on photo electrochemical performance

Shrok Allami, Ministry of Science and Technology, Iraq

Title: Polymeric nanocomposites gate dielectric for organic thin film transistors

Davoud Dastan, Savitribai Phule Pune University, India

Title: Engineered metal oxide nanoparticles, nano-bio interaction and toxicology

Avnika S Anand, Defence Research and Development Organization, India

Title: Density functional theory calculations for the electronic, magnetic, and chemical bonding properties of geometrically frustrated spinel $CdCr_2O_4$

Najmeh Bolandhemat, Universiti Putra Malaysia, Malaysia

Title: A study of natural radioactivity in the welding workshops waste

Zain M Al-Amoudi, King Abdulaziz University, Saudi Arabia

Title: Synthesis of polymer composites thin films of Cr_2O_3 nanoparticles and study of its optical and electrical properties

Venkatesha B M, University of Mysore, India

Title: Solid state decarburization of high carbon ferrochromium

Amit Bhalla, University of Witwatersrand, South Africa

Title: Synthesis of vanadium oxide/carbon nanotubes for anodes for lithium-ion batteries

Baorui Jia, University of Science and Technology Beijing, P R China

Title: Analysis of valonia oak (*Quercus aegylops*) acorn tannin and wood adhesives application

Fatmah Bahabri, King Abdulaziz University, Saudi Arabia

Title: Rate-dependent hardening model for HCP metals with effect of deformation twinning and dynamic recrystallization

Jonghun Yoon, Hanyang University, South Korea

Title: Effect of gamma irradiation on the structural and color properties of CR 6-2 polycarbonate

Mymona Abutalib, King Abdulaziz University, Saudi Arabia

Title: Corrosion inhibition effects of Tungstate and Nitrite ions on sputter-deposited nanocystalline W–42Cr–5Ni Alloy in 0.5 M NaCl solution

Durga Bhakta Pokharel, Tribhuvan University, Nepal

Title: Vanadium nitride nanoparticles encapsulated in carbon sheets for stable high energy lithium ion anodes

Haoyang Wu, University of Science and Technology Beijing, China

Title: An intelligent electronic control unit to limit vehicle speed

Srivas M C, B M S College of Engineering, India

Title: Effects of ionic irradiation on PMN-PT ferroelectric materials for space applications

Padmaja Guggilla, Alabama A&M University, USA

Title: Super high surface area mesoporous carbon for arsenic removal from ground water

Nezar H Khdary, King Abdulaziz City for Science and Technology, Saudi Arabia

Title: Effect of tempering time on strength and toughness of a ultra-low C medium Mn steel

Hong-Yan Wu, Northeastern University, China

Title: Soft nanomaterials of POSS-based copolymer for stone arts conservation

Ling He, Xian Jiaotong University, China

Title: Dielectric study of hydrogen sulphate ($AHSO_4$ and $BHSO_4$ A= Sodium, B= Potassium) crystals

Azha Periasamy, Bharathiar University, India

Title: Generato retaining ring steel(Mn18Cr18N) prepared by powder metallurgy

Shubin Ren, University of Science and Technology Beijing, China

Title: Biocompatibility and human osteoblast response to template-assisted electrohydrodynamic atomized interlocked ceramic patterns on curved 3D metallic substrates for medical implants

Anouska Nithyanandan, University College London, United Kingdom

Title: Application of cleaner development mechanisms

Sampath Kumar M C, B.M.S. College of Engineering, India

Title: Azo substituted achiral bent-core liquid crystals: photo-induced studies in B_7 and B_2 mesophases

Veena Prasad, Centre for Nano and Soft Matter Sciences, India

Title: Mechanically deformable and programmable nanoscale surface textures with tunable wetting and mechanical properties

Wei Li Lee, Massachusetts Institute of Technology, USA

Title: The study of fatigue property of S500LF wheel spoke steel

Cai-Ru GAO, Northeastern University, China

Title: A low-C 5-Mn ultra-heavy plate steel with high microstructural homogeneity and excellent strength - toughness combination

Jun Hu, Northeastern University, China

Title: Characterization of plasma sprayed CNT reinforced alumina coatings on ASME-SA213-T91 boiler tube steel

Buta Singh Sidhu, IKG Punjab Technical University, India

Title: Parametric investigations into manufacturing of magnetic abrasives by sintering process

Balkar Singh, IKG-Punjab Technical University, India

Title: Fracture toughness of austenitic stainless steel welds for ultra-high vacuum and cryogenic applications

Ignacio Aviles Santillana, CERN, Switzerland

Title: Synthesis and luminescence properties of pyrophosphate phosphors doped with rare earth

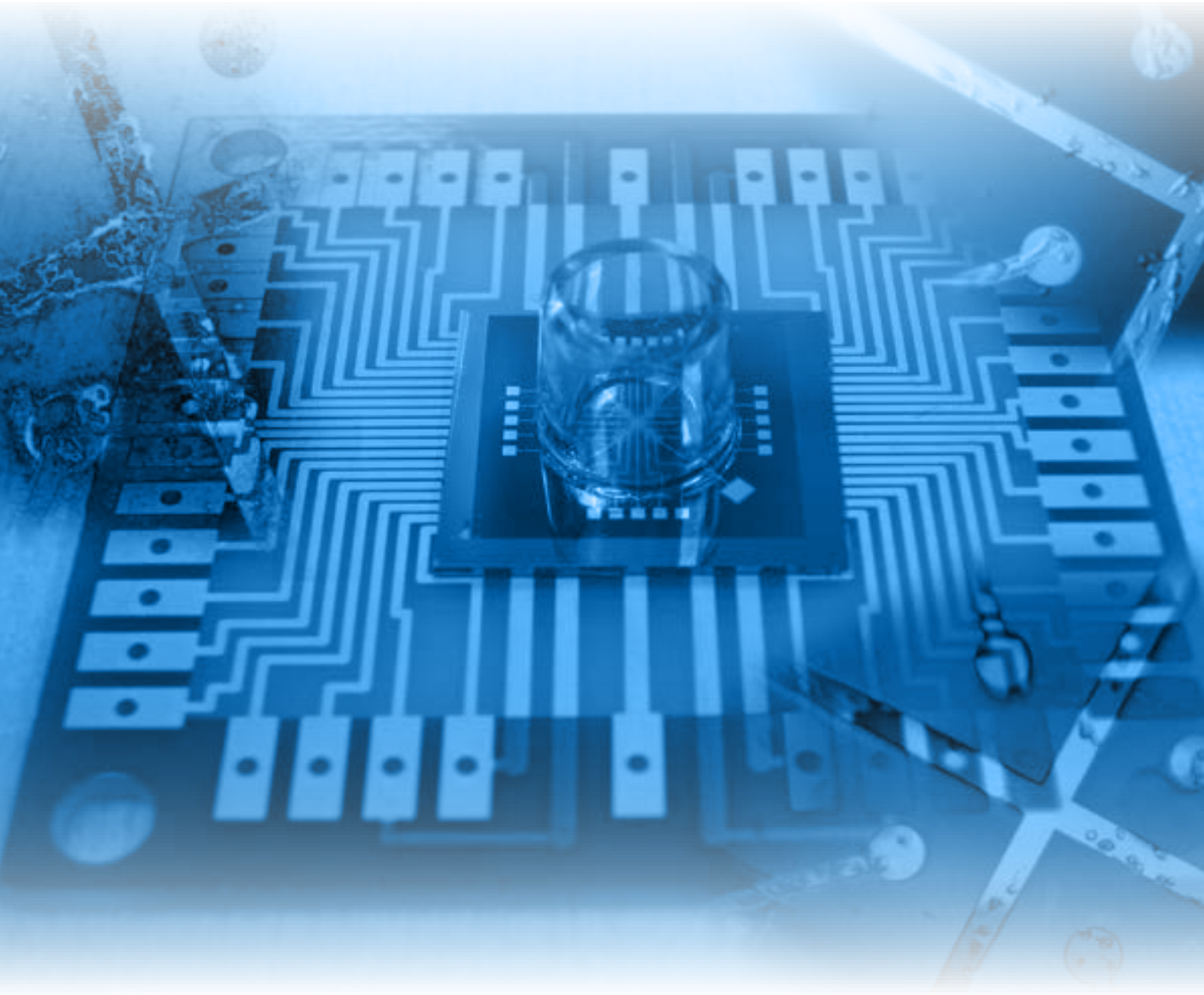
Wafa Hami, Cadi Ayyad University, Morocco

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Scientific Program

5th Euro Biosensors and Bioelectronics Conference

June 30-July 02, 2016 Valencia, Spain



Hosting Organization: Conference Series LLC

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Registrations

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Opening Ceremony

Introduction

Title: Data analytics, the digital patient and simulation in healthcare

C Donald Combs, Eastern Virginia Medical School, USA

Title: Optimal reporters for electrochemical detection of protease activity

Mark Bradley, University of Edinburgh, UK

Title: Magnetic nanoparticles meet microfluidics

Andreas Hütten, Bielefeld University, Germany

Title: Alkaline phosphatase or Q dots labeled antibody-based electrochemical biosensors for ultrasensitive tumor markers detection

Zuzana Bilkova, University of Pardubice, Czech Republic

Title: An electrochemical biochip based on human hepatic drug metabolising enzymes in the presence of graphene and/or AuNps

Sheila Sadeghi, University of Torino, Italy

Title: A review on surface plasmon resonance and its application as biosensing element

Ritu Sharma, Malaviya National Institute of Technology, India

Title: eDisc – Getting 21st century technology into lab on disc applications

Dario Mager, Karlsruhe Institute of Technology, Germany

Title: Smart materials: Advances in protein-based molecularly imprinted polymer biosensing

Subrayal M Reddy, University of Central Lancashire, UK

Title: Enzymatic synthesis and etching in situ of gold and semiconductor nanoparticles in biosensing

Valery Pavlov, Centro de Investigación Cooperativa en Biomateriales CIC biomaGUNE, Spain

Title: Acoustic and plasmonic biosensors for the detection of different classes of (bio) molecules

Rodica Elena Ionescu, University of Technology of Troyes, France

Title: New ultra-sensitive measurement method in ampere and voltammetry

Vladimir Moshkin, "Sib-STRIM" LLC, Tomsk, Russia

Title: Nucleic acid biosensors for the detection of heavy metal ions

Lingwen Zeng, Wuhan Academy of Agricultural Science and Technology, China

Title: LumiSense - A portable water pollutant monitoring system using whole cell array

Ji-Yen Cheng, Research Center for Applied Sciences, Taiwan

Title: Conducting polymer composite based on nano-cellulose for biosensing application

Mahnaz M Abdi, University Putra Malaysia, Malaysia

Title: Development of modified ferrocenes dna probes for electrochemical SNP sensing

Holly Roberts, University of Birmingham, UK

Title: Ordered DNA fragmentation using soft lithography and amplification for next generation sequencing

NaHyun Cho, Stony Brook University, USA

Title: Parametric electrical modelling of human forearm simulation response using multi-frequency electrical bioimpedance

Gautam Anand, Auckland University of Technology, New Zealand

Title: Role of sympathetic nervous system in rat ovarian ageing

Maritza P Garrido, University of Chile, Chile

Title: DMSA-coated iron oxide nanoparticle greatly affect the expression of genes coding cysteine-rich proteins by its DMSA coating

Ling Zhang, Southeast University, China

Title: Quantifying Skin Stretch induced motion artifact from an Electrocardiogram signal
Anubha Kalra, Auckland University of Technology, New Zealand
Title: Triboelectric effect as a novel tool for the development and application of point-of-care testing devices
Everson Thiago Santos Geroncio da Silva, State University of Campinas, Brazil
Title: Sequence-specific recognition of DNA oligomer by DNA/DNA hybridization in silicon nitride nanopores
Shengwei Tan, Southeast University, China
Title: The use of the speckle dynamics for the quantitative analysis of micro and macro processes in cultured cells: Theory and experiment
A. P. Vladimirov, Ural Federal University, Russian
Title: Preparation and electrochemical characterization of ZnO based disposable urea biosensors
Sayed Ahmad Mozaffari, Iranian Research Organization for Science & Technology, Iran
Title: Ultrasensitive and selective impedance biosensing platform based on nanoporous silicon oxide
Chirasree Roy Chaudhuri, Indian Institute of Engineering Science and Technology, India
Title: An amperometric PAMAM G4.0-modified cytochrome P450 biosensor with PAMAM for the concentration-based sensing of caffeine
Michael Müller, Saarland University, Germany
Title: SIGNALMAN: Autonomous in-line biosensors for detection of microorganisms
Sonia Yadav, Institute of Technology Tallaght, Ireland
Title: Study on the effect of electrodeposited palladium nanoparticles to the electrochemical properties of carbon fiber paper electrode
Chun Lung Lien, National Chiao Tung University, Taiwan
Title: Effect of protein layer on the photo-thermal harvesting of cell sheets
Jongbeom Na, Yonsei University, South Korea
Title: All organic triboelectric generator for a self-powered glucose sensor based on an organic electrochemical transistor
Younghoon Kim, Yonsei University, South Korea
Title: Nanostructured platform based on polyaniline/cellulose nanocrystal composite for biosensor application
Mahnaz M Abdi, University Putra Malaysia, Malaysia
Title: Magnetite nanoparticles on paper: A platform for the diagnosis of dengue fever by magnetic -ELISA
Greter Amelia Ortega Rodríguez, Center for Applied Science and Advanced Technology of IPN, Mexico
Title: Surface plasmon resonance sensor based direct target DNA detection via gold nanoparticle signal enhancement without DNA amplification
Wonhwi Na, Korea University, Korea



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2nd International Congress and Expo on

Biofuels & Bioenergy

August 29-31, 2016 Sao Paulo, Brazil

Scientific Program



Registrations

Lorangerie II

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Opening Ceremony

Introduction

Title: Biodiesel and ethanol from modifi ed sugarcane
Vijay Singh, University of Illinois, USA

Title: Sink or Swim: Navigating the biofuels climate in an oil price recession
Jordan Godwin, Platts, USA

Title: On-site cellulase production with feeding spent sulfite liquor by *Penicellium oxalicum* for integrated biorefinery
Yinbo Qu, Shandong University, China

Title: Lignocellulosic biomass fractionation by a deep eutectic solvent and a chelator mediated fenton system
L Orejuela Escobar, Virginia Tech, USA

Title: Hydrothermal liquefaction of eucalyptus: Effect of reaction conditions on product distribution
Carmina Reyes Plascencia, Universidad de la República, Uruguay

Title: Modification of biomass ash by aluminosilicates and other additives
David Nichols, University of Nottingham, UK

Title: Fractionation of bio-oils from the pyrolysis of coconut fibers
Débora Tomasini, Universidade Federal do Rio Grande do Sul, Brazil

Title: Unravelling new strategies for butanol production in *Clostridium acetobutylicum* using *in silico* approaches
Carla Andreia Freixo Portela, Centro Tecnologico de Bioetanol, Brazil

Title: Explosibility and burning properties of pulverised rice husk and their dependence on particle size
Muhammad Azam Saeed, University of Leeds, UK

Title: Characterization of sugarcane bagasse produced in the central region of São Paulo state in Brazil
Nestor Proenza Pérez, São Paulo State University, Brazil

Title: Production and chromatographic characterization of bio-oil from the rice husk pyrolysis
Eliane Lazzari, Universidade Federal do Rio Grande do Sul, Brazil

Title: Image analysis based ash fusion testing
Patrick James Dale, University of Nottingham, UK

Title: Hydrothermal carbonization of biomass to produce reduced-ash fuel
Robert J Stirling, University of Nottingham, UK

Title: Performance of CaO from different sources as a catalyst precursor in soybean oil transesterification: kinetics and leaching evaluation
Daniel Bastos de Rezende, UFMG, Brazil

Title: Towards an optimal formulation of alternative fuels for aeronautics – Thermal and oxidation stability and polymers compatibility
Arij Ben Amara, IFP Energies Nouvelles, France

Title: Ethanolysis and methanolysis of soybean and macauba oils catalyzed by mixed oxide Ca-Al from hydrocalumite for biodiesel production
Camila Santana Carriço, UFMG, Brazil

Title: Producing hydrocarbons for green diesel and jet fuel formulation from palm kernel fat over Pd/C
Cristiane Almeida Scaldaferri, UFMG, Brazil

Title: Biodiesel and glycerol transesterification by layered double hydroxides in stirring packed-bedreactor
Jeffrey C S Wu, National Taiwan University, Taiwan

Title: Etherification of biodiesel-derived glycerol with isobutene as fuel additives
Du Zexue, Research Institute of Petroleum Processing, China

Title: Hydrotreatment of waste fats and oils with heterogeneous catalysis for tailor made production of biofuels

Martin Mittelbach, University of Graz, Austria

Title: Advances in carbohydrates production and hydrolysis of agroindustrial residues for fuel ethanol production

Pedro de Oliva Neto, São Paulo State University, Brazil

Title: Improvement of *Penicillum oxalicum* cellulase production via reconstruction of expression regulation network (RERN)

Xin Song, Shandong University, China

Title: Industrial production of bioethanol from sugarcane. Use of a large-scale non-sterile self-adaptive bioprocess for fermentation

Jaime Finguerut, CTC- Centro de Tecnologia Canavieira SA, Brazil

Title: FTIR spectroscopy for the studies of catalysts and catalytic reaction mechanisms

Alexey Tsyganenko, St. Petersburg State University, Russia

Title: Technical challenges of fermentative bio-hydrogen production from biomass

Majid Hosseini, The University of Texas Rio Grande Valley, USA

Title: Challenges for alternative fuels for aeronautics - CAER project

Arij Ben Amara, Laurie Starck, IFP Energies Nouvelles, France

Title: Optimization of production of the coffee silver skin bio-oil using a fixed bed reactor and chemical characterization of the organic fraction by gc×gc/qms

Allan dos Santos Polidoro, Universidade Federal do Rio Grande do Sul, Brazil

Title: Physicochemical properties of *Cnidoscolus rostratus* seed oil as feedstock for biodiesel production

Benito Reyes Trejo, Universidad Autónoma Chapingo, México

Title: Recovery of nitrogen compounds from tobacco seeds bio-oil : Acid-extraction and gc×gc/qms analysis

Bruna Onorevoli, Universidade Federal do Rio Grande do Sul, Brazil

Title: Pressurized solvent fractionation of bio-oil from spent coffee grounds: Characterization of compounds by gc×gc/tofms

Carmem Tatiane Primaz, UNAM, Mexico

Title: *Cyanobacteria* isolated from Amazonian rivers growing in vinasse for biodiesel production

Wallace Rafael de Souza, University of São Paulo, Brazil

Title: Alternative process of deacidification of Macauba oil (*Acrocomia aculeata*) aiming the biodiesel production

Daniel Bastos de Rezende, UFMG, Brazil

Title: Production of bioethanol and chemicals from oil palm empty fruit bunch by bisulfite process

Jian Zhao, Shandong University, China

Title: Biokerosene and green diesel from macauba oils via catalityc deoxygenation over Pd/C

Vânya Márcia Duarte Pasa, UFMG, Brazil

Title: Engineering on wild type diploid *Saccharomyces cerevisiae* for second generation bioethanol production

Xiaoming Bao, Shandong University, China

Title: State-of-the-art of biomass gasification for electricity generation

Electo Eduardo Silva Lora, Federal University of Itajubá – UNIFEI, Brazil

Title: Cellulose-derived carbon aerogel as catalyst support Part I: Improving carbon yield and further resistance to oxidant atmosphere

Luis E Arteaga-Perez, University of Concepcion, Chile

Title: A systems approach mapping of primary forest residues supply chain for sustainable production of bioenergy in Malawi

Maxon L Chitawo, Stellenbosch University, South Africa

Title: Some projects of institute of bionergy research (IPBEN) at UNESP guaratinguetá

José Luz Silveira, São Paulo State University, Brazil

Title: Biofuels: A solution to energy shortage in Pakistan

De Montfort University, United Kingdom

Title: Algae-based wastewater treatment for biofuel production: Processes, species and extraction methods

Hossein Ahmadzadeh, Ferdowsi University of Mashhad, Iran



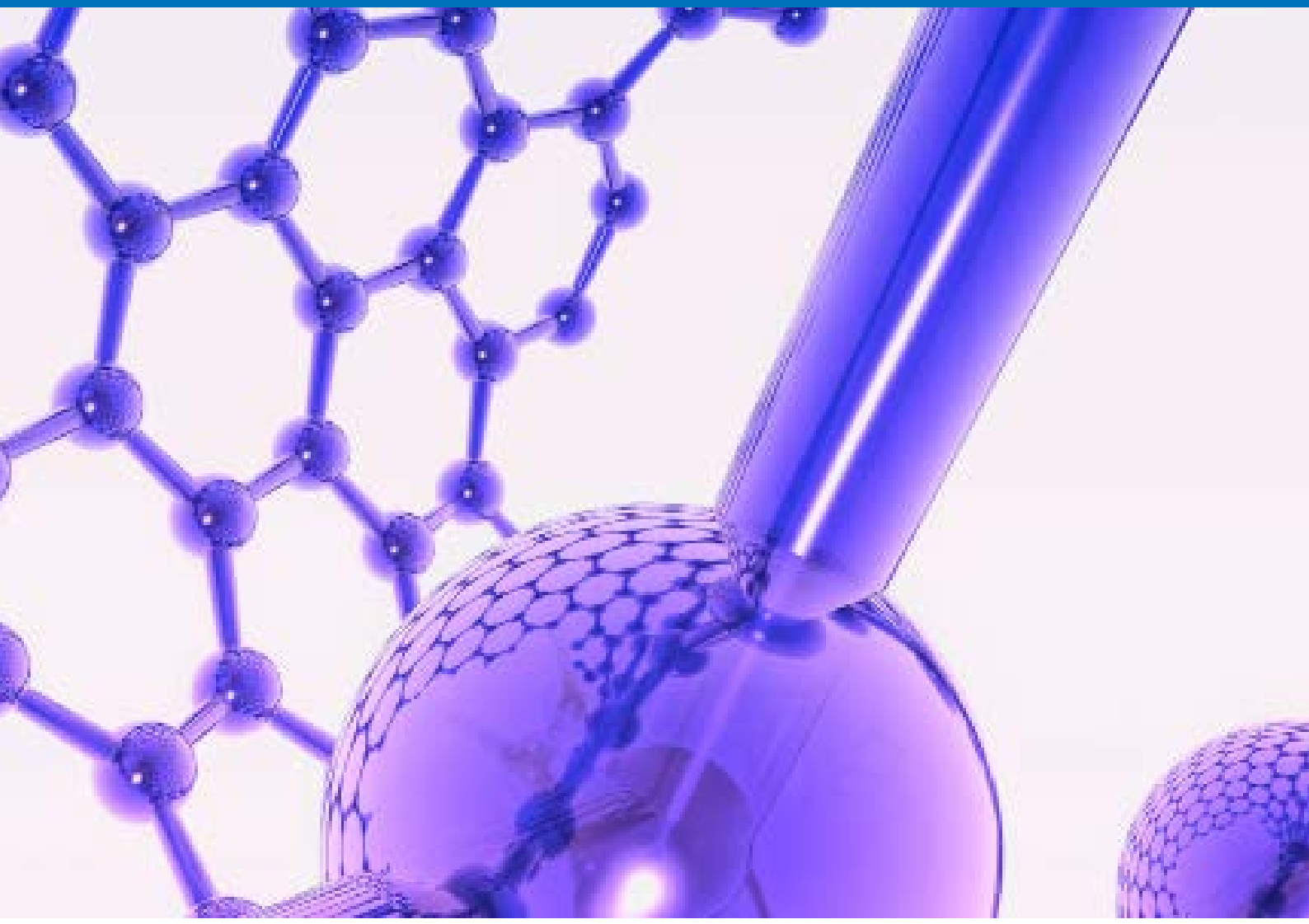
OMICS International
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Scientific Program

International Conference and Exhibition on

Materials Chemistry

March 31-April 01, 2016 Valencia, Spain



OMICS International Conferences:
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Registrations

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Opening Ceremony

Introduction

Michael W. Tausch
University of Wuppertal, Germany

Jas Pal Badyal
Durham University, UK
Title: Molecular magnetic switches
Marat M. Khusniyarov, Friedrich-Alexander-University of Erlangen-Nuremberg, Germany
Title: The role of polymer electrolyte in constructing an aging resistant high energy lithium battery for wide temperature application
Jijeesh R Nair, Polytechnic University of Turin, Italy

Title: The prediction of long-term creep data of fibrous polymer composites based on short term experiments
Urs Meier, Swiss Federal Laboratories for Materials Science and Technology, Switzerland
Title: Group III-Nitride semiconductor nanostructures for novel photonic applications
Yong-Hoon Cho, Korea Advanced Institute of Science and Technology (KAIST), Republic of Korea
Title: Polymer derived boron nitride ceramics for energy applications
Philippe Miele, University of Montpellier, France
Title: Teaching from practice to theory
Mario Pablo Spector, National Technological University, Argentina
Title: Novel biological method for iron rust removal
S.Rajendran, Madurai Kamaraj University, India

Title: Towards more efficient upconverting materials based on $NaYF_4$ nanoparticles: Phase and size controlled synthesis and optical evaluation
Fabrizio Guzzetta, Universitat Jaume I, Spain
Title: High efficiency for photo-polymerizable VCP ester-amide resins: A universal concept providing low volume shrinkage, high reactivity and selectivity
Paul Pineda, University of Bayreuth, Germany
Title: Non-ionic UCST-type polymers: Synthesis and analysis of new thermoresponsive properties in aqueous media
Beatriz A Pineda-Contreras, University of Bayreuth, Germany
Title: Expanding the NMR palette: Insights on artificial charge separators
Brijith Thomas, Leiden Institute of Chemistry, Netherlands

Title: Synthesis of the first POSS cage - anthracycline nano-conjugates
Wlodzimierz Stanczyk, Polish Academy of Sciences, Poland
Title: Synthesis of fine-controlled subano-metal particles using a dendrimer reactor
Kimihisa Yamamoto, Tokyo Institute of Technology, Japan
Title: Tellurium based glasses for far infrared and thermoelectric applications
Bruno Bureau, Institut Universitaire de France, France
Title: Game-based materials to teaching and learning the periodic table
Antonio Joaquín Franco-Mariscal, University of Malaga, Spain

Title: Polymers with tunable properties via variable cross-linking conditions
Lee D. Wilson, University of Saskatchewan, Canada
Title: Fibre structures for energy harvesting in wearables
Elias Siores, Bolton University, UK
Title: Advanced functional organic-inorganic nano-composite membranes: Application of membrane technology for removal of contaminants of drinking water
Urfi Ishrat, Taibah University, Saudi Arabia
Title: Microstructure evolution at different cooling rates of a low carbon microalloyed steel
Elena Brandaleze, National Technological University, Argentina
Title: Mechanical response of Ti_3SiC_2 to He/H irradiation: Elaboration from first-principles calculation
Yuexia Wang, Fudan University, China

Title: Photoprocesses in science education
Michael W. Tausch, University of Wuppertal, Germany
Title: Hybrid organic-inorganic materials for thin-film lighting technologies
Ruben D. Costa, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany

Title: Novel polymer-peptide conjugates and polymer-based peptidomimetics
Marc Devocelle, Royal College of Surgeons in Ireland (RCSI), Ireland
Title: Conjugated copolymers and their optimization for ambipolar field effect transistors
Martin Baumgarten, Max Planck Institute for Polymer Research, Germany
Title: Spectroscopic tools to study and interpret macromolecular dynamics at a molecular scale
Jorge Teno Diaz, Carlos III University of Madrid, Spain
Title: Ultrasonic fabrication of microfluidic polymer chips
Werner Karl Schomburg, RWTH Aachen University, Germany
Title: Synthetic polymers from easily available monossacharides
M. Gracia García-Martín, University of Seville, Spain

Title: Inclusion complexes of propiconazole nitrate with substituted β-cyclodextrins II: *In vitro* assessment of antifungal properties
Irina Rosca, Petru Poni Institute of Macromolecular Chemistry, Romania
Title: Inclusion complexes of propiconazole nitrate with substituted β-cyclodextrins: Synthesis, characterization and in silico assessment
Narcisa Laura Marangoci, Petru Poni Institute of Macromolecular Chemistry, Romania
Title: Silver nanoclusters doped in mordenite zeolite as photocatalysts toward pesticides
Imad A Abu-Yousef, American University of Sharjah, UAE
Title: Improving PLA properties through the incorporation of electrospun nanofibers based on PVA and cellulose nanowhiskers
Carol Lopez de Dicastillo, Santiago de Chile University, Chile
Title: Antimicrobial supercritical impregnation of nanocomposites for food packaging
Maria Jose Galotto, Santiago de Chile University, Chile
Title: Preparation and characterization of chitosan-co-hyaluronic acid cryogels
Tugce Kutlusoy, Marmara University, Turkey
Title: Synthesis and characterization of high performance polyimide nanofibers and application on lithium-ion batteries
Emre Aytan, Marmara University, Turkey
Title: Molecularly imprinted polymeric nanoparticle: Preparation and characterization
Merve Yasar, Marmara University, Turkey
Title: Novel macroporous poly-pickering-HIPE composites for heterogeneous photocatalysis
Elif Yüce, Yalova University
Title: Poly-pickering-HIPEs as heterogeneous photocatalysts
Fatma Nur Parın, Yalova University

Title: Solute effect on grain boundary migration in ultrafine/nanostructured materials
Yan Huang, Brunel University London Institute of Materials and Manufacturing, UK
Title: Application of ultra-thin flexible glass sheets to microfluidic devices
Yo Tanaka, RIKEN, Japan
Title: Nanoscale strategies towards development of advanced Mn-based permanent magnets
Felix Jimenez-Villacorta, Materials Science Institute of Madrid (ICMM-CSIC), Spain
Title: Sialon nano-composites matrix reinforced by cubic boron nitride prepared by using spark plasma sintering
Abbas Saeed Hakeem, King Fahd University of Petroleum & Minerals, Saudi Arabia
Title: Segregation of ions in deliquesced droplets of alkali halide nano-crystals on SiO_2
Kenta Arima, Osaka University, Japan
Title: Nanomechanics with nanotubes and fullerene-like-WS_2 (MoS_2)
Reshef Tenne, Weizmann Institute, Israel

Video Presentation: One-pot waterborne superhydrophobic pigment coatings at high solids with improved scratch and water resistance
Agne Swerin, SP Technical Research Institute of Sweden – Chemistry, Sweden
Title: Fuel briquettes from municipal solid waste through solid state fermentation
S.Rajendran, Saraswathi Narayanan College, India
Title: Microreactors based on nanostructured monolithic materials for electrochromatography separation and catalysis applications
Seydina Ibrahima KEBE, University Paris-East, France
Title: Heterogeneous kinetic uptake studies of conventional and nanomaterials in solution
Lee D. Wilson, University of Saskatchewan, Canada

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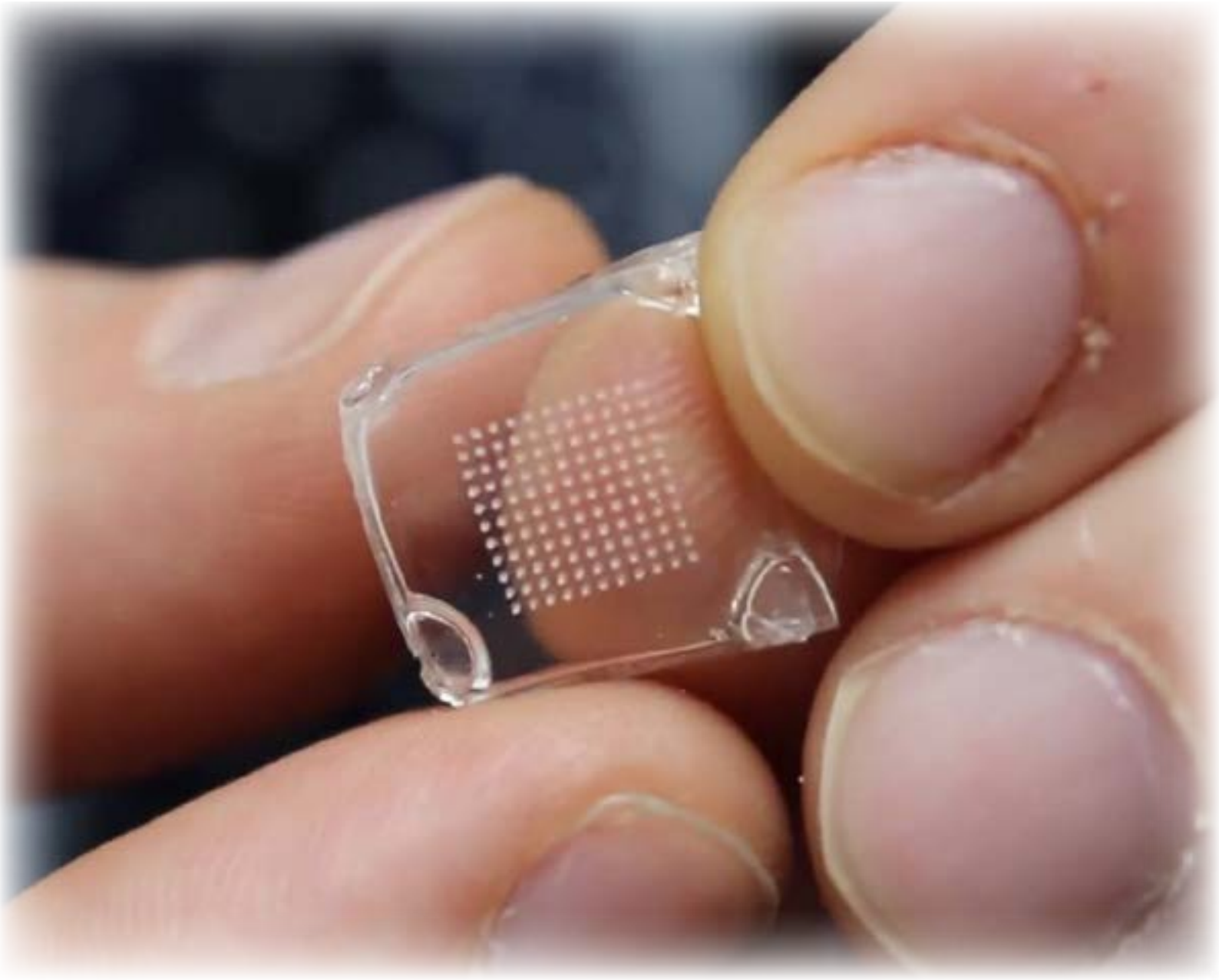
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Registrations

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Opening Ceremony

Introduction

Title: Advances in terahertz spectroscopy nano-scanner and sub-surface 3D imaging for biomaterial
Anis Rahman, Applied Research & Photonics Inc., USA

Title: Biosensors for genes, pathogens, parasites, biomarkers and toxins
Raj Mutharasan, Drexel University, USA

Title: Turning the glucose sensor into a versatile point-of-care platform for the detection of a wide range of biological analytes

Jeroen De Buck, University of Calgary, Canada

Title: An impedance biosensor for rapid detection of low concentration of *escherichiacoli* O157:H7

Mahmoud Almasri, University of Missouri, USA

Title: Translating biosensors to market at the unviersity

Jeffrey T La Belle, Arizona State University, USA

Title: Shear horizontal surface acoustic wave sensors for rapid detection of enterohemorrhagic *escherichia coli*

Justin T Baca, University of New Mexico, USA

Title: Interferometric biosensors for advanced Point-of-Care diagnostics

Ana Belen Gonzalez-Guerrero, Catalan Institute of Nanoscience and Nanotechnology, Spain

Title: Optical and electrical properties of bacteria were based bio-detector for heavy metals ($CdCl_2$ and $NiCl_2$) pollutants

Al-Shanawa Maytham Abdala Ali, University of Basra, Iraq

Title: Pedot: Pss and gold nanocomposite activated electrochemical sensor for the recognition of fungal DNA

Sabo Wada Dutse, Hussaini Adamu Federal Polytechnic, Nigeria

Title: Wearable device for pH monitoring in wounds

Paola Fanzio, Delft University of Technology, Netherlands

Title: Tuning the selectivity of nitrogen doped carbon nanotubes using ionic liquid towards electrochemical sensing of dopamine

Anju Joshi, Indian Institute of Technology, India

Title: Biomedical and environmental sensing applications of lateral wave vector response to refractive index
Kevin L Lear, Colorado State University, USA

Title: Biomaterials as biosensors for microbial biomarkers in human tears and saliva: Proof of concept
Mouad Lamrani, Menicon Co., Ltd R&D, Geneva, Switzerland

Title: Backscattering interferometry marries aptamer-based assays to enable quantitation of nerve agent metabolites and human cytomegalovirusin urine at clinical relevant levels
Darryl J Bornhop, Vanderbilt University, USA

Title: Split deoxyribozyme sensors for highly selective analysis of nucleic acids

Yulia V Gerasimova, University of Central Florida, USA

Title: Capacitive sensor for respiratory monitoring

Victoria Wang Yue, Hill-Rom Services Private Limited, Singapore

Title: The BIOFOS-LoC: Microring resonator based biophotonic system for food analysis

George Tsekenis, Biomedical Research Foundation of the Academy of Athens, Greece

Title: Development toward a multi-marker and label-free platform sensor technology using electrochemical impedance spectroscopy and nanomaterials

Chi Lin, Arizona State University, USA

Title: Automated single cell arrays based on magnetophoretic circuits

Roozbeh Abedini-Nassab, Duke University, USA