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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

ORGANIZING COMMITTEE MEMBERS



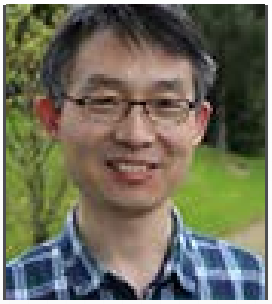
Evgeny Katz
Clarkson University
USA



Rolando Guidelli
Florence University
Italy



Ingo Krossing
Albert Ludwigs University
Germany



Ruiyong Chen
Joint Electrochemistry
Lab-KIST, Germany



Pawel J. Kulesza
University of Warsaw
Poland



Randriamahazaka
Paris Diderot University
France



Grzegorz Milczarek
Poznan University of
Technology, Poland

Keynote Speakers



Evgeny Katz
Clarkson University
USA



Jian Xie
Purdue University
USA



Prashanta Dutta
Washington State University
USA



Sefik Suzer
Bilkent University
Turkey

Keynote Speakers









Speaker and Poster Opportunities Available

TENTATIVE SCIENTIFIC PROGRAM

Day 1: July 10, 2017

Keynote Forum

Introduction

Advances in Electrochemistry |Theoritical and computational Electrochemistry |Electroanalytical chemistry |Electrochemical energy conversion and storage

Title: Implantable biofuel cells operating in vivo – Potential power sources for bioelectronics devices – From basic research to practical applications

Evgeny Katz, Clarkson University, USA

Liquid Electrolyte

Prashanta Dutta, Washington State University, USA

Title: Development of Pt Catalyst Supported on Graphenes for Polymer Electrolyte Fuel Cells

Jian Xie, Purdue University, USA

Title: What Ion Flow Along Ion Channels Can Tell About Their Functional Activity

Rolando Guidelli, Florence University, Italy

theory

Shozo Yanagida, Osaka University, Japan

Title: Progress and Challenges in Galvanic Activation of Electrode for Solar Water Splitting

Andres G. Munoz, gGMBH, Germany

Title: Electrochemical Atomic Layer Deposition (EC-ALD) of Semiconducting Materials

Marie-Christine Record, Aix-Marseille University, France

Title: Effective Nanomaterials for Glucose Oxidation in an Electrochemical Energy Converter Cogenerating Organic Electrosynthesis

Boniface Kokoh, University of Poitiers ,France

Title: Advanced electroactive materials based on lignosulfonates

Grzegorz Milczarek, Poznan University of Technology ,Poland

Title: High voltage aqueous redox flow batteries

Ruiyong Chen, Joint Electrochemistry Lab-KIST ,Germany

Experimental Realization

Ingo Krossing, Albert Ludwigs University ,Germany

Title: Intercalation Type Electrode Materials for Fluoride Ion Batteries

Oliver Clemens, Joint Research Laboratory Nanomaterials ,Germany

electrochemical impedance spectroscopy

Benoît Ter-Ovanessian, University of Lyon ,France

spectroscopy and quantum chemistry

Amedeo Capobianco, University of Salerno ,Italy

Bioelectrochemistry | Electrochemical surface science | Batteries and energy sorces | Organic and Organometalic Electrochemistry

Ionic Liquids

Hyacinthe Randriamahazaka, University of Paris ,France

Title: Structure-Property Relations in Functionalized Materials for Efficient Electrocatalysis and Electrochemical Energy Conversion

Pawel J. Kulesza, University of Warsaw ,Poland

Title: Development of novel host materials for organic batteries

Elise Deunf, Institute of Materials Jean Rouxel (Nantes), France

Title: Using Electrochemical Impedance Spectroscopy Sinusoidal Potential Amplitude to Assess the Efficiency of Niobium Oxide Based Organic Coating in Oil Wells Produced Water

Rodrigo de Siqueira Melo, Federal University of Rio de Janeiro, Brazil

Title: Electrochemical assessment on the corrosion of carbon steel in simulated fuel-grade ethanol and the inhibitory effect by PEG-40 hydrogenated castor oil
M.A. Deyab, Egyptian Petroleum Research Institute, Egypt
Title: Investigation of Ionic Liquid Interfaces using time- and position-resolved XPS
Sefik Suzer, Bilkent University, Turkey
Title: Rechargeable batteries based on chloride ion transfer
Xiangyu Zhao, Nanjing Tech University, China
Title:Electron Transfer in Coordination-based Molecular Assemblies
Milko E. van der Boom, The Weizmann Institute of Science ,Israel
Title:Gold Nanospheres in electrocatalysis: surface interaction with glucose.
Teko W. Napporn, French National Center for Scientific Research, France
Title:Electrochemiluminescent Chemodosimetric Sensor for Rapid Determination of cyanide
Ik-Soo Shin, Seoul National University, Korea
Day 2: July 11, 2017
Corrosion Science and Technology | Physical and Analytical Electrochemistry | Applications of Electrochemistry | Electroplating and Coating
Title:Photophysical and electrochemical properties of perylene diimide dyes in solutions, solid state and self-assembled microstructures
Huriye ICIL, Eastern Mediterranean University, Slovakia
environment
Junhua Dong, Chinese Academy of Sciences, China
Title:Electrochemical Degradation of Dairy Effluent Using Novel Sn/Sb/Ni-Ti Anodes
Taner Yonar, Uludag University, Turkey
Title:3D structured porous transition-metals poly-phosphides nanoneedle arrays as an efficient bifunctional electrocatalyst for the evolution reaction of hydrogen and oxygen
Shijian Chen, Chongqing University, China
material for lithium-ion battery
Mitsuharu Tabuchi, National Institute of Advanced Industrial Science and Technology (AIST), Japan
Title: Highly-efficient electrophoretic deposition of thermally-stable planted polymer separators towards high-temperature lithium ion batteries
Weidong He, University of Electronic Science and Technology, China
Treatment Installations
Yoram Oren, Zuckerberg Institute for Water Research, Isarel
Organic and Bioelectrochemistry | Electrochemical Engineering |Carbon Nanostructures and devices |Potentiostat Electrochemistry | Electrochemical Methods of Analysis
Title: The Possibility of Producing a Stainless Magnesium Alloy
Guang-Ling Song, Xiamen University, China
poly(bithiophene) based devices
Jose P M Serbena, Federal University of Parana, Brazil
Title:Electrodeposition and Characterization of Ni-Ir Films from Aqueous Citrate Solution
Wang-ping Wu, Changzhou University, China
water environment
Irena Ciglenecki, Rudjer Boskovic Institute, croatia
SPEAKER SLOTS AVAILABLE Submit your abstract online @
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For more details, contact Jennifer watson @ electrochemistry@chemistryconference.org
**Note: Tentative Program has been designed with the projected Speakers Names and Titles. Program may be subjected to change

Renowned Speakers



Evgeny Katz
Clarkson University
USA



Rolando Guidelli
Florence University
Italy



Shozo Yanagida
Osaka University
Japan



Andres G Munoz
gGmbH
Germany



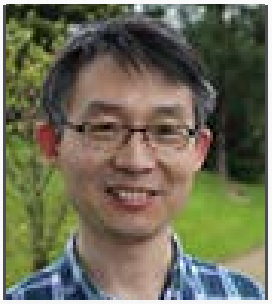
Marie-Christine Record
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Lab-KIST, Germany



Ingo Krossing
Albert Ludwigs University
Germany



Oliver Clemens
Joint Research Laboratory
Nanomaterials Germany



Benoit Ter
Ovanessian
University of Lyon, France



Prashanta Dutta
Washington State University
USA



Pawel J. Kulesza
University of Warsaw
Poland



Jian Xie
Purdue University
USA



Dong Junhua
Chinese Academy of Sciences
China



Sefik Suzer
Bilkent University
Turkey

Conference Highlights

- Advances in Eletrochemistry
- Theoretical and Computational Electrochemistry
- Electroanalytical Chemistry
- Electrochemical Energy Conversion and Storage
- Bioelectrochemistry
- Electrochemical surface science
- Batteries and energy sources
- Organic and Organometallic Electrochemistry
- Corrosion Science and Technology
- Physical and Analytical Electrochemistry
- Applications of Eletrochemistry
- Electroplating & Coatings
- Organic and Bioelectrochemistry
- Electrochemical Engineering
- Carbon Nanostructures and Devices
- Potentiostat Electrochemistry
- Electrochemical Methods of Analysis

For detailed sessions, please visit: http://electrochemistry.conferenceseries.com/call-for-abstracts.php

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- Career Guidance Workshops to the Graduates, Doctorates and Post-Doctoral Fellows
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- Accepted Abstracts will be published in respective supporting journals, each abstract will be labeled with a **DOI** provided by **Cross Ref.**
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- Best Poster Competitions and Young Researcher Competitions
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- Abstracts will be published in conference souvenir & international journals
- We will include your **University/Institution logo** on the conference banners, books and in the conference website
- Can play the role of **Honorable guest** at the conference
- Speaker name and photograph will be displayed in conference website

Venue:

Golden Tulip Berlin - Hotel Hamburg
Landgrafenstrabe 4, 10787
Berlin, Germany



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



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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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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

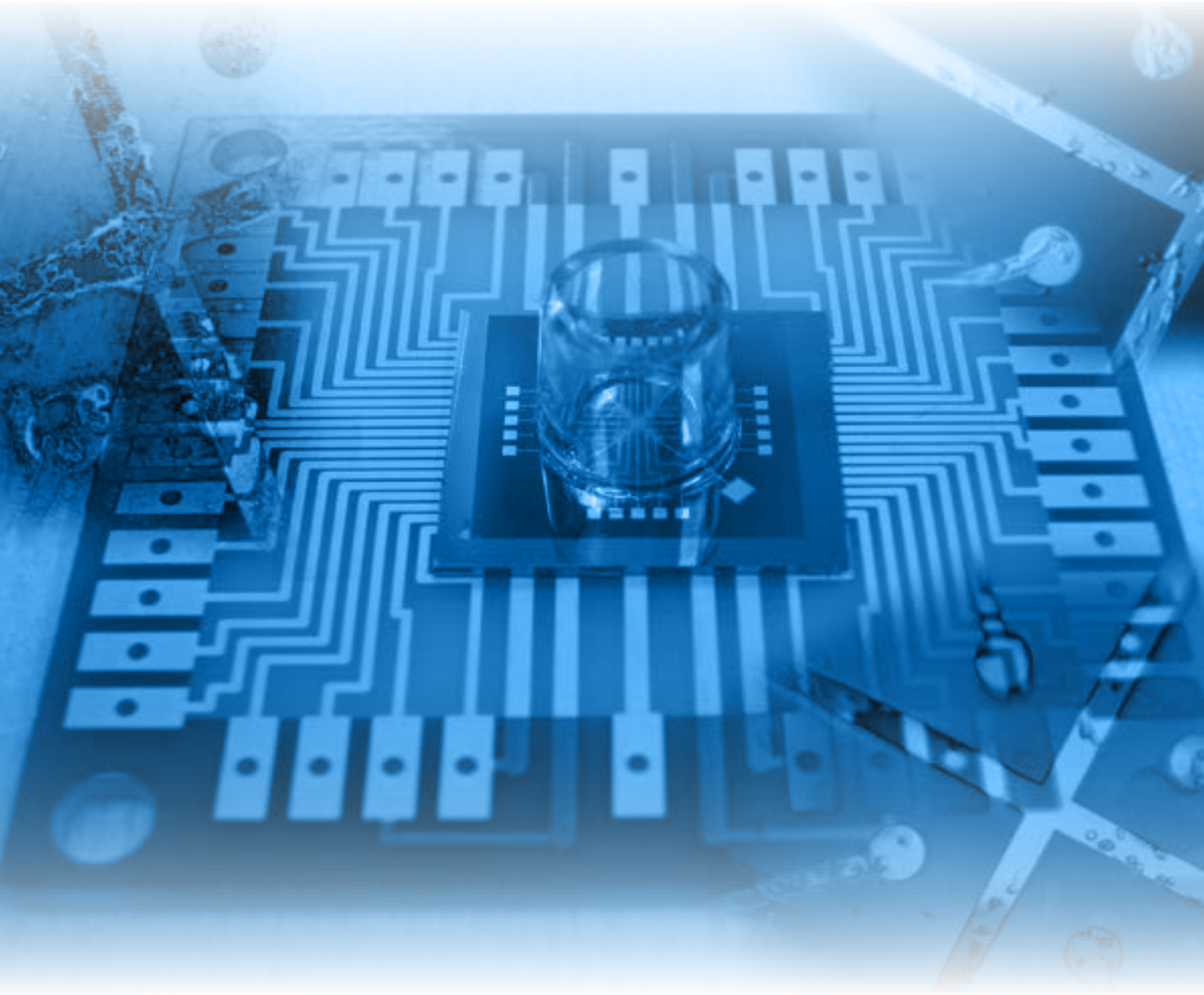
Wafa Hami, Cadi Ayyad University, Morocco

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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





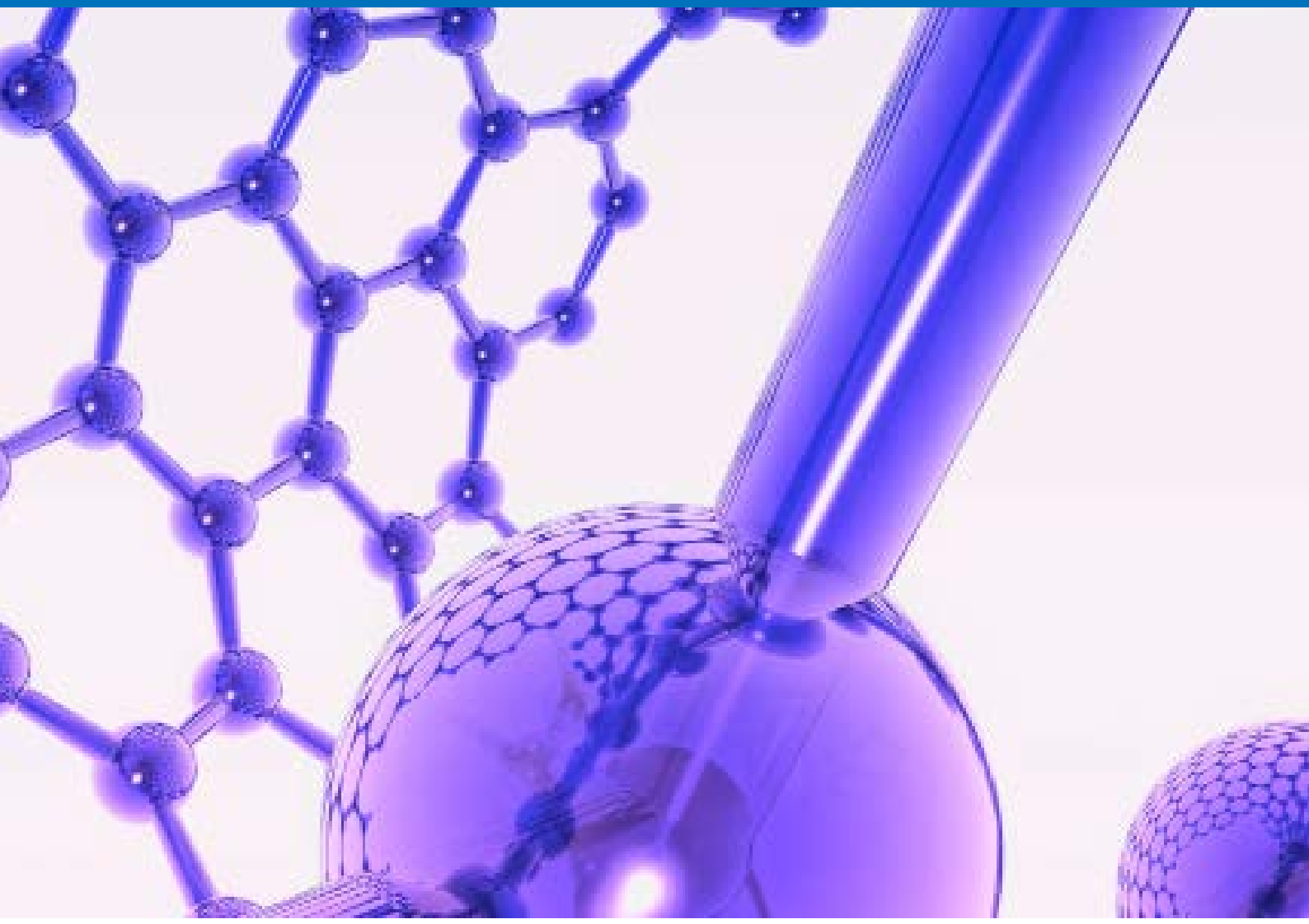
OMICS International
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Scientific Program

International Conference and Exhibition on

Materials Chemistry

March 31-April 01, 2016 Valencia, Spain



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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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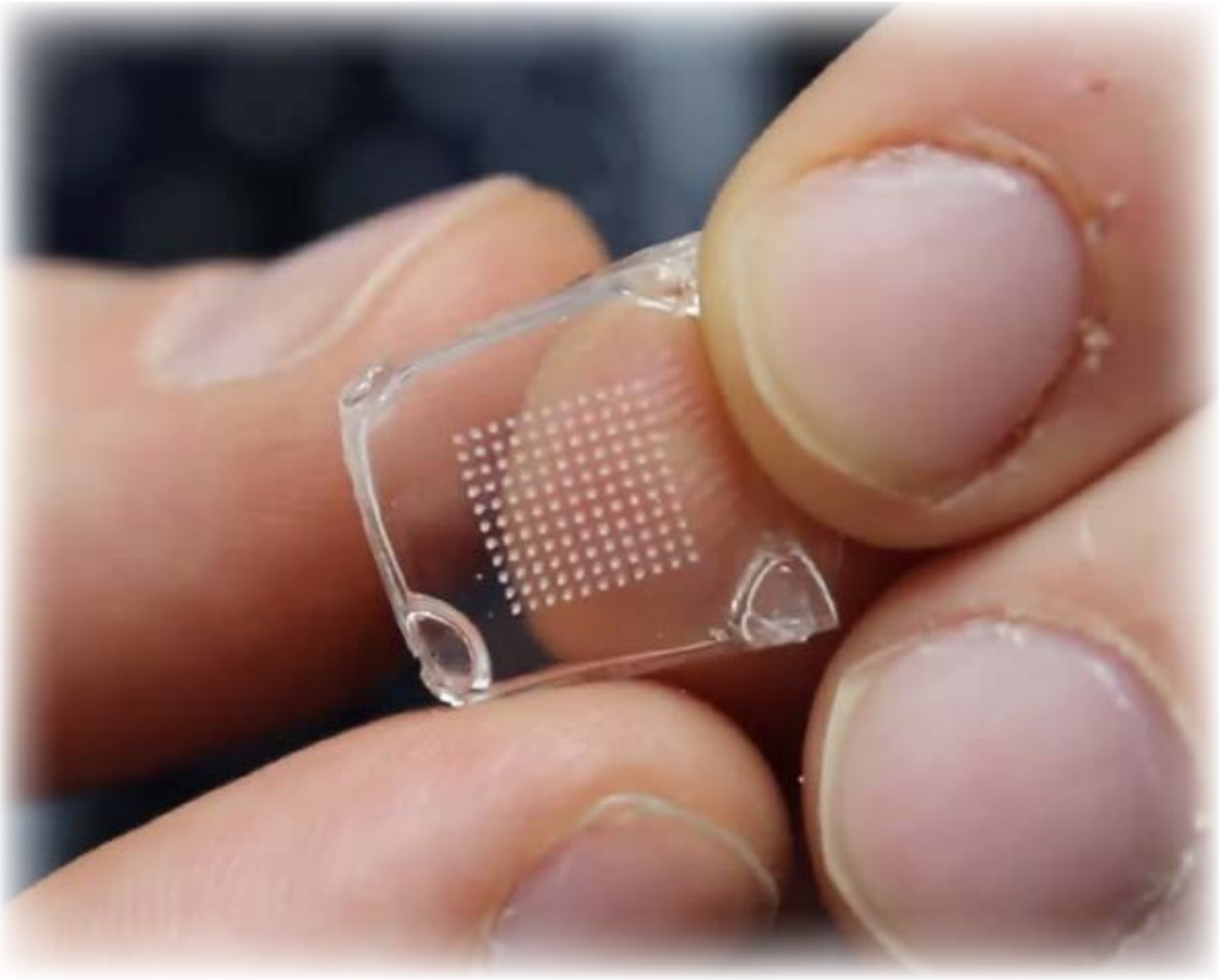
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Scientific Program

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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

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Biofuels & Bioenergy

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Registrations

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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