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Tentative Program

4th International Conference on Electrochemistry

June 11-12, 2018 Rome, Italy

Theme: "Exploring the Fusion of Chemistry with Electrical Devices"



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@annualconferences.org

June 11-12,2018 Rome, Italy

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)
	Lunch Break 12.35-13.25		
Evening Sessions	**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

Conference Highlights

- Theoretical and Computational Electrochemistry
- Physical and Analytical Electrochemistry
- Photoelectrochemistry
- Electrochemical Energy
- Sensors
- Organic and Bioelectrochemistry
- Batteries and Energy Storage
- Corrosion Science and Technology
- Electronic Materials and Processing
- Carbon Nanostructures and Devices
- Dielectric Science and Materials
- Electrochemical Electroless Deposition
- Electrochemical Water Treatment
- Electrochemical Surface Science
- Electrochemical Engineering
- Environmental Electrochemistry
- Inorganic Electrochemistry
- Market Surveillance of Electrochemistry
- Applied Electrochemistry

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

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Glimpses of Chemisty Conferences















Glimpses of Chemisty Conferences

























City Attractions of Rome



Colosseum



Doge's Palace



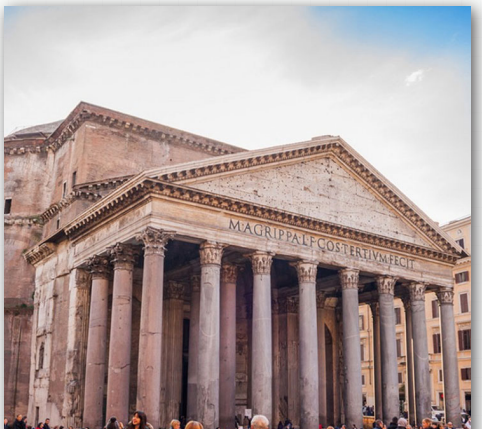
Florence Cathedral



Leaning Tower of Pisa



Milan Cathedral



Pantheon



Piazza San Marco



Roman Forum



Saint Mark's Basilica

Speaker Benefits at Electrochemistry 2018

- Career Guidance Workshops to the Graduates, Doctorates and Post-Doctoral Fellows
- Our robust on-line publicity attracts 430000+ users and 760000+ views to our Library of Abstracts which brings worldwide exposure to the researchers and speakers participate in our conferences.
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- Opportunity to get sponsorship for your projects
- Opportunity to **Chair/Co-chair** a session of your interest
- Opportunity to moderate the conference
- Accepted Abstracts will be published in respective supporting journals, each abstract will be labeled with a **DOI** provided by **Cross Ref.**
- Speaker will be felicitated with Certificate
- Best Poster Competitions and Young Researcher Competitions
- B2B meetings
- All attendees can avail **21 CPD Credits** (Continuing Professional Development)
- Certificate Accreditation by the International Organizing Committee **(IOCM)**
- 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

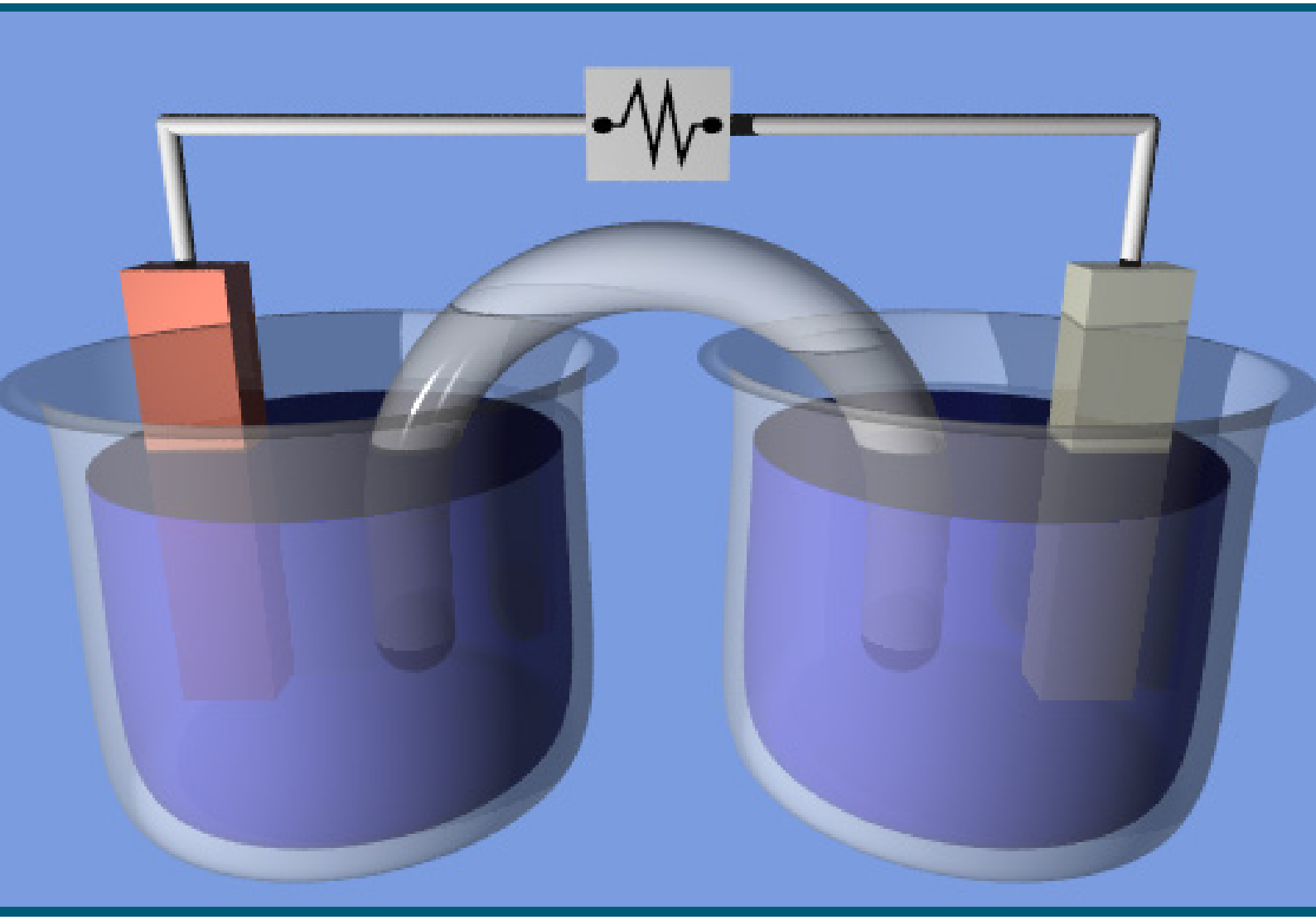
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1025th Conference

Scientific Program

3rd International Conference on

Electrochemistry

July 10-11, 2017 Berlin, Germany



Conference Series - America
One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
Toll Free: 1-888-843-8169, P: 702-508-5200, F: +1-650-618-1417

Conference Series - UK
Kemp House, 152 City Road, London EC1V 2NX, UK
Toll Free: +0-800-014-8923

Day 1 July 10, 2017

Registrations

Sylt 4-5

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Opening Ceremony

Keynote Forum

Introduction

Title: Implantable biofuel cells operating *in vivo* – potential power sources for bioelectronics devices – from basic research to practical applications

Evgeny Katz, Clarkson University, USA

Title: Template-realized functional nanostructures for energy conversion and storage devices

Yong Lei, University of Ilmenau, Germany

Networking & Refreshments

Session: Advances in Electrochemistry | Theoretical and Computational Electrochemistry | Electroanalytical Chemistry | Electrochemical Energy Conversion and Storage | Bioelectrochemistry

Session Chair: Ruiyong Chen, Joint Electrochemistry Lab, KIST, Germany

Session Co-Chair: Vardan Galstyan, University of Brescia, Italy

Title: What ion flow along ion channels can tell about their functional activity

Rolando Guidelli, Florence University, Italy

Title: Advanced electroactive materials based on lignosulfonates

Grzegorz Milczarek, Poznan University of Technology, Poland

Title: Study on performance of alkaline water electrolysis (AWE)

Akiyoshi Manabe, De Nora Permelec Ltd., Japan

Title: Effective nanomaterials for glucose oxidation in an electrochemical energy converter: Cogenerating organic electrosynthesis

Kouakou Boniface KOKOH, University of Poitiers, France

Title: Computational verification of so-called perovskite solar cells using density functional theory

Shozo Yanagida, Osaka university, japan

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

Andrés G. Muñoz, GRS gGmbH, Germany

Title: From The Microscopic Theory of The Electrochemical Atomic Layer Deposition (EC-ALD) to Atomistic Simulations

Pascal Boulet, Aix-Marseille University, France

Title: Efficient hydrogen production on $MoNi_4$ electrocatalysts with fast water dissociation kinetics

Jian Zhang, TU Dresden, Germany

Title: Iodides confinement within activated carbon porosity resulting battery-type electrode for aqueous hybrid supercapacitor

Qamar Abbas, Poznan University of Technology, Poland

Lunch

Title: Electrochemiluminescent chemodosimetric sensor for rapid determination of cyanide

Ik-Soo Shin, Soongsil University, Korea

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

Session Chair: Teko W. Napporn, French National Center for Scientific Research (CNRS), France
Session Co-Chair: Marie-Christine Record, Aix-Marseille University, France

Title: High voltage aqueous redox flow batteries
Ruiyong Chen, Joint Electrochemistry Lab, KIST, Germany
Title: Intercalation type electrode materials for fluoride ion batteries
Oliver Clemens, TU Darmstadt, Germany
Title: Rechargeable batteries based on chloride ion transfer
Xiangyu Zhao, Nanjing Tech University, China
Title: Hole transport in oxidized DNA: An integrated approach based on electrochemistry, spectroscopy and quantum chemistry
Amedeo Capobianco, University of Salerno, Italy

Networking and Refreshments

Title: Gold nanospheres in electrocatalysis: surface interaction with glucose
Teko W. Napporn, French National Center for Scientific Research (CNRS), France
Title: Electron transfer in coordination-based molecular assemblies
Milko E. van der Boom, The Weizmann Institute of Science, Isarel
Title: Metalloorganic assemblies as electrochromic materials: Switching stability, coloration efficiencies and devices
Michal Lahav, The Weizmann Institute of Science, Isarel
Title: Electrochemical Atomic Layer Deposition (EC-ALD) of semiconducting materials
Marie-Christine Record, Aix-Marseille University, France
Title: Synthesis and characterization of Ni- and Ti substituted Li_2MnO_3 positive electrode material for lithium-ion battery
Mitsuharu Tabuchi, National Institute of Advanced Industrial Science and Technology (AIST), Japan
Title: Electro-Active Ruthenium-Amine conjugated organometallic materials
Yu-Wu Zhong, Chinese Academy of Sciences, China
Title: Evaluation of doped graphene materials for electrochemical hydrogen evolution reaction and oxygen reduction reaction
Yan Jiao, The University of Adelaide, Australia
Title: Electrodes and solid electrolytes for Li-Ion batteries local structures, li-Ion mobility, and lithiation mechanisms
Sylvio Indris, Karlsruhe Institute of Technology, Institute for Applied Materials – Energy Storage Systems, Germany

Day 2 July 11, 2017

Sylt 4-5

Keynote Forum

Title: In situ' SERS effect studies with screen-printed electrodes and a compact Raman Spectroelectrochemical instrument
Pablo Fanjul Bolado, DropSens company, Spain
Title: Investigation of ionic liquid interfaces using time- and position-resolved XPS
Sefik Suzer, Bilkent University, Turkey

Networking & Refreshments

Sessions: Corrosion science and Technology | Physical and Analytical Electrochemistry | Applications of Electrochemistry | Carbon Nanostructures and Devices | Potentiostat Electrochemistry

Session Chair: Andres G. Muñoz, GRS gGmbH, Germany
Session Co-Chair: Kouakou Boniface KOKOH, University of Poitiers

Title :The protoelectric potential map – unified acidity and reducity scales and their experimental realization
Ingo Krossing, Albert-Ludwigs-University, Germany
Title : Photophysical and electrochemical properties of perylene diimide dyes in solutions, solid state and self-assembled microstructures
Huriye ICIL, Eastern Mediterranean University, Turkey
Title : Electrochemical degradation of dairy effluent using novel Sn/Sb/Ni-Ti anodes
Taner Yonar, Uludag University, Turkey
Title : Ideally ordered nanohole array obtained by anodizing pretextured metals
Toshiaki Kondo, Tokyo Metropolitan University, Japan
Title : All-printed electrochemical thin-film transistors from networks of liquid-exfoliated nanosheets
Jonathan Coleman, CRANN and AMBER Research Centres, Ireland
Title : Electrochemical surface modification of metal oxides for security applications and healthcare
Vardan Galstyan, University of Brescia, Italy
Title : Recent advances in the determination of electronic properties of passive films by electrochemical impedance spectroscopy
Benoit Ter-Ovanessian, University of Lyon, France
Title : Study on the galvanic corrosion of ferrite-pearlite steel and its control under an acid environment
Junhua Dong, Institute of Metal Research (IMR), Chinese Academy of Sciences (CAS), China
Title : Structural effects on the oxygen reduction reaction on single crystal electrodes Pt modified with amines
Nagahiro Hoshi, Chiba University, Japan

Lunch

Poster Presentations

EC001 **Title: Characterization of anion substitution effect on olivine structured cathode materials for lithium-ion battery**

Youngil Lee, University of Ulsan, Korea

EC002 **Title: Chelating-asisted soft-templating synthesis of ordered mesoporous TM-doped TiO2 for Enhanced Catalytic Oxygen Evolution**

Mabrook Saleh Ali Saleh, King Saud University, Saudi Arabia

EC003 **Title: Carbon dots as liquid and gel-type electrolytes for high-performance electrochromic devices**

EunJi Park, Soongsil University, Korea

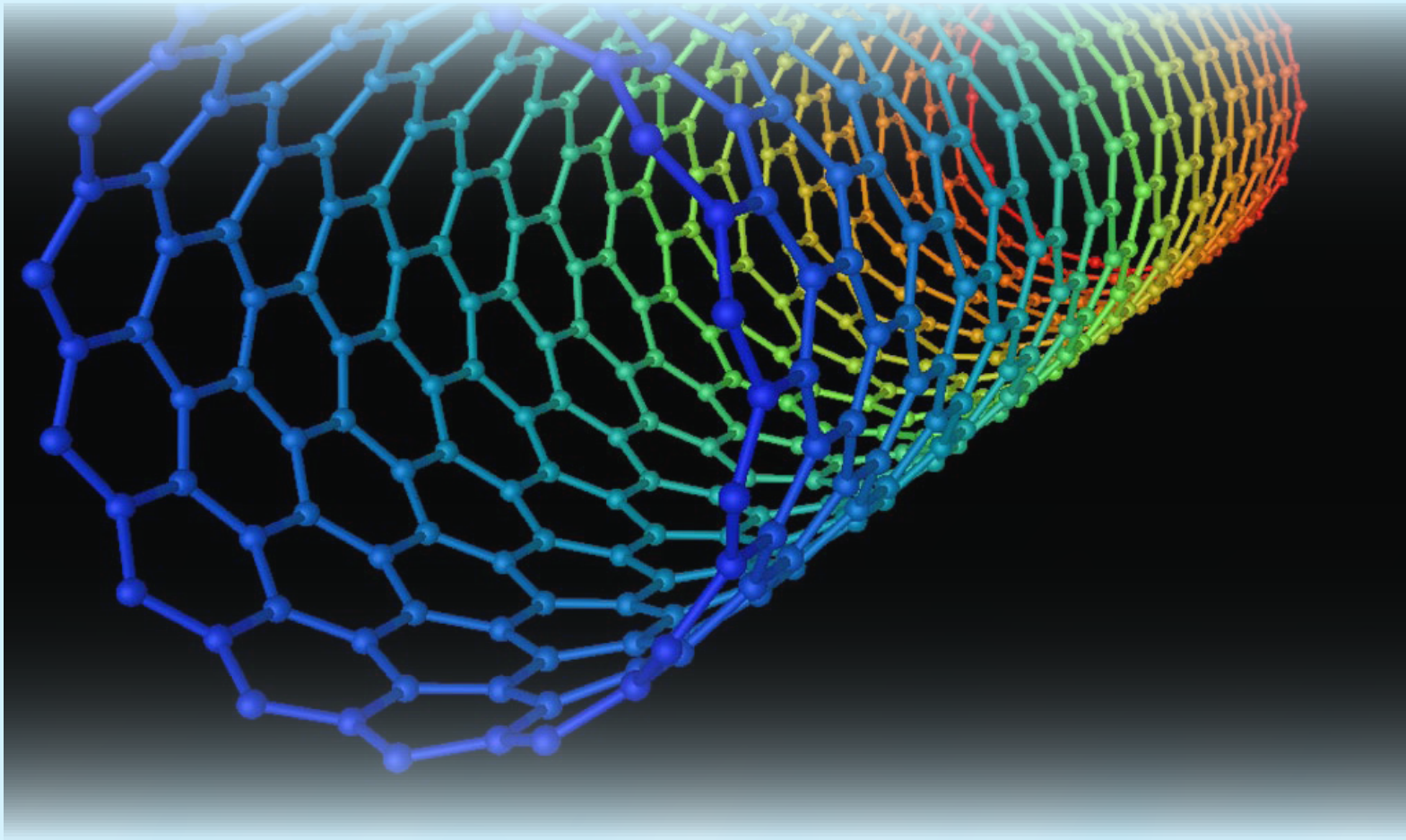
Title : Exploring ionic liquids and solar water splitting catalysis via high-performance ab initio molecular dynamics
Sandra Luber, University of Zurich, Switzerland
Title : Recent progress in bifuctional catalysts for rechargeable Li-air batteries
Chunwen Sun, Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences, China
Title : Electrochemical properties of AlCl3/glyme baths for room temperature aluminum electrodeposition
Atsushi Kitada, Kyoto University, Japan

Networking & Refreshment

Young Research Forum

Title: Determination of the kinetic parameters of oxygen reduction on copper using a rotating disk electrode in neutral medium
Nisrine Benzbira, University of Chouaib Doukkali, Morocco
Title: Inhibition Of copper corrosion In 0.1m Nacl solution By 1.3.4 Thiadiazole 2.5 Dithiol(Dmtd): experimental and theoretical study
Siham Echihi, University of Chouaib Doukkali, Morocco
Title: Highly active and stable heteroatoms-doped supported spinel nanoparticles as bi-functional oxygen electrocatalysts
Ismail Abidat, University of Poitiers, France
Title: Microdisc versus microcylinder electrodes: detection of solution phase trace oxygen
Kristina Cinkovaa, Slovak University of Technology, Slovakia
Title: On-site production of hydrogen peroxide in electrocatalysis and in heterogeneous catalysis
Enrico Pizzutilo, Max-Planck Institut for Iron Research, Germany
Title: Stability challenges of iridium-based oxides towards acidic water splitting – Structure matters!
Simon Geiger, Max-Planck Institut for Iron Research, Germany

Award & Closing Ceremony



Bookmark your dates

4th International Conference on

Electrochemistry

June 11-13, 2018 Rome, Italy

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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

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Scientific Program

International Conference on

Battery and Fuel Cell Technology

December 8-9, 2016 Dubai, UAE



Hosting Organization: Conference Series LLC

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Email: batterytech@conferenceseries.net; batterytech@enggconferences.com

Day 1 December 08, 2016

Registrations

Salon I

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Opening Ceremony

Introduction

Keynote Forum

Title: Electro-thermal modeling of lithium-ion battery packs from the safety perspective

Jennifer X Wen, University of Warwick, UK

Title: Development and application of vanadium flow battery for energy storage

Huamin Zhang, Dalian Institute of Chemical Physics, China

Group Photo

Networking & Refreshment Break

Title: Engineered electrodes at nanoscale for energy storage devices

Vilas G Pol, Purdue University, USA

Title: Proton exchange membranes prepared from cross-linked and multi-block copolymers based on poly (arylene ether ketone)

Dukjoon Kim, Sungkyunkwan University Suwon, Republic of Korea

Instrumental Solutions for Battery Testing by Metrohm

Lunch Break

Workshop

Title: Understanding of surface reactions as a necessity for development of new electrode materials for Li-ion batteries

Jolanta Świątowska, Institut de Recherche de Chimie Paris, France

Sessions: Aspects of Battery | Primary Cell Batteries | Secondary Cell Batteries | Operation Problems in Batteries | Applications of Batteries | Batteries in Renewable Sources and Grid Balancing

Session Chair: Vilas G Pol, Purdue University, USA

Session Introduction

Title: General equation of power behavior in fuel cells and its experimental application

María José Lavorante, Del Instituto de Investigaciones Científicas y Técnicas para la Defensa, Argentina

Title: Improving the electrochemical performances of $Li_3V_2(PO_4)_3$ and $LiTi_2(PO_4)_3$ by ion doping

Kai Feng, Dalian Institute of Chemical Physics, China

Title: Facile synthesis of nanoscale laminated $Na_3V_2(PO_4)_3$ for high performance sodium ion battery cathode

Qiong Zheng, Dalian Institute of Chemical Physics, China

Networking & Refreshment Break

Title: Recent results of the development of redox flow batteries for storage of renewable energies

Jens Noack, Fraunhofer-Institute for Chemical Technology, Germany

Title: Li-organic batteries and beyond

Klemen Pirnat, National Institute of Chemistry, Slovenia

Panel Discussion

Day 2 December 09, 2016

Salon I

Introduction

Keynote Forum

Title: Effect of purging on the performance of a PEM fuel cell stack with a dead-end anode

Tariq Shamim, Masdar Institute of Science and Technology, UAE

Title: Titania nanotubes for Li-ion microbatteries

Thierry Djenizian, Ecole Nationale des Mines de Saint-Etienne, France

Title: Modeling and simulation of lead-acid batteries

Vahid Esfahanian, University of Tehran, Iran

Networking & Refreshment Break

Sessions: Global Outlook of Fuel Cell | Classifications of Fuel Cell| Applications of Fuel cells| Recent Advancements in Fuel Cell Technology| Super capacitors vs. Battery| Various Energy Materials

Session Chair: Tariq Shamim, Masdar Institute of Science and Technology, UAE

Session Introduction

Title: Gasifier-SOFC systems and applications

P V Aravind, Delft University of Technology, Netherlands

Title: Fuel cell diagnosis based on stack voltage multifractal analysis. The question of the method portability

D Benouioua, EFFICACITY, France

Title: Single cell performances of MEA with hybrid membrane and Pt/C catalyst for low temperature H_2/O_2 fuel cells

Thanganathan Uma, KPR Institute of Technology, India

Video Presentation

Title: The environmental impact of Li-Ion batteries and the role of key parameters

Jens Peters, Karlsruhe Institute for Technology, Karlsruhe

Lunch Break

Poster Presentations

BFCT-01

Title: Synthesis and electrochemical performance of $Na_2Mo_2O_7$ as an anode material for Na-ion battery applications

Rakesh Verma, Indian Institute of Technology-Madras, India

BFCT-02

Title: The development and the application of porous membrane via surface modification for all-vanadium redox flow batteries

Dilek Yalcin, Yildiz Technical University, Turkey

BFCT-03

Title: Fuel cell systems for ships and pleasure boats

Lindert van Biert, Delft University of Technology, Netherlands

BFCT-04

Title: Futuristic reversible power plants based on solid oxide fuel cells

PV Aravind, Delft University of Technology, Netherlands

BFCT-05

Title: Mesoporous carbon electrode materials for supercapacitors

Yulia G Mateyshina, Noakhali Science and Technology University, Russia

BFCT-06

Title: Using controllable electrochemically reduced graphene oxide (ERGO) as high-capacitance electrode material for supercapacitors

Ran Bi, The Hong Kong Polytechnic University, Hong Kong

BFCT-07

Title: Usage of Cyanobacteria in battery: Saving money, enhancing the storage capacity, making portable, and supporting the ecology

Saddam Husain Dhobi, Tribhuvan University, Nepal

Panel Discussion

Awards & Closing Ceremony

Networking & Refreshment Break



Bookmark your dates

2nd International Conference on

Battery and Fuel Cell Technology

July 21-22, 2017 Rome, Italy

e-mail: batterytech@conferenceseries.net; batterytech@enggconferences.com

Website: batterytech.conferenceseries.com

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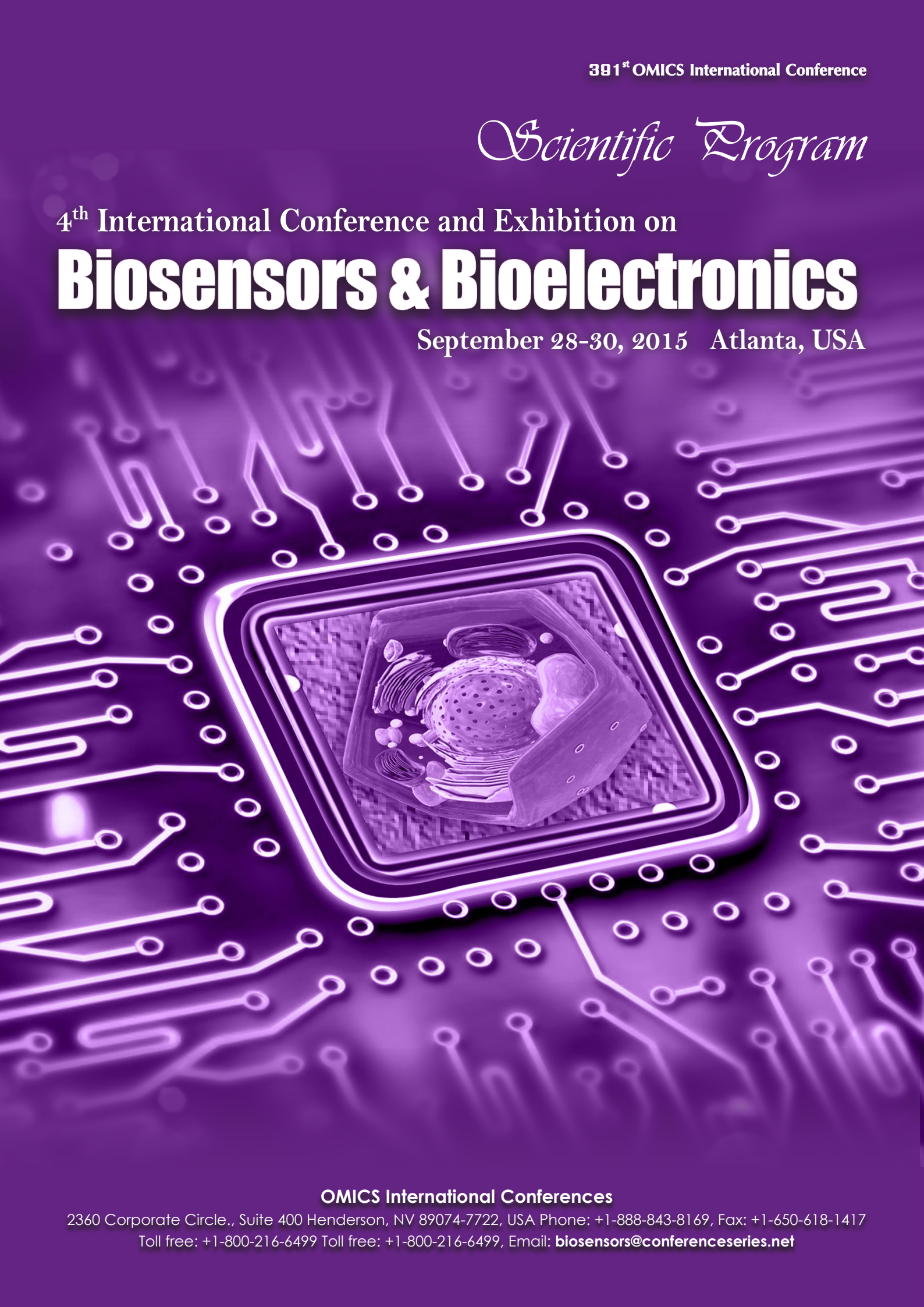
391st OMICS International Conference

Scientific Program

4th International Conference and Exhibition on

Biosensors & Bioelectronics

September 28-30, 2015 Atlanta, USA



OMICS International Conferences
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Toll free: +1-800-216-6499 Toll free: +1-800-216-6499, Email: **biosensors@conferenceseries.net**

Day 1 **September 28, 2015**

Registrations

Hall Chattahoochee Salon A

Opening Ceremony

Keynote Forum

Introduction

Title: New SPR-based biosensor platform for fragment-based-drug-discovery
Tom Jobe, SensiQ Technologies, USA

Title: Deep transcranial magnetic stimulation for the treatment of neurological disorders
David C Jiles, Iowa State University, USA

Coffee Break

Title: Spinal fiber optic monitoring
Thomas F Floyd, Stony Brook University, USA

Title: Electronic label - free biosensing assays
Mark A Reed, Yale University, USA

Title: Terahertz spectral profiling and imaging for skin cancer detection
Anis Rahman, Applied Research & Photonics Inc., USA

Sessions: Biosensors, Biosensors Applications, Bioelectronics and Advancement in Nanotechnology

Chair: Yu Lei, University of Connecticut, USA
Co-chair: Laurent A Francis, Universite catholique de Louvain, Belgium

Session Introduction

Title: PEG-BSA-Coumarin-GOx fluorescent hydrogel: Preparation, characterization and glucose biosensing
Yu Lei, University of Connecticut, USA
Title: The development of integrated capacitive array biosensors towards the selective and real-time detection of single bacterium
Laurent A Francis, Universite catholique de Louvain, Belgium

Lunch @ Restaurant

Title: Recent development in power systems for implantable bioelectronic devices
Gymama Slaughter, University of Maryland, USA
Title: Vertically aligned carbon nanofiber biosensors
Nicole McFarlane, University of Tennessee, USA
Title: Novel miniaturized, fully integrated, wireless, low-cost glucose sensing platform
Muhammad Mujeeb-U-Rahman, Wireless Diagnostic Systems, Inc., USA
Title: Novel plasmonic sensing strategy based on semiconductor nanocrystals
Wing-Cheung Law, Hong Kong Polytechnic University, Hong Kong
Title: Biosensor based on CYP2D6-functionalised carbon nanotube transducer for continuous detection of xenobiotics
Matic Krivec, Carinthian Tech Research, Austria

Coffee Break

Title: Application of gold nanoparticles-dotted 4-nitrophenylazo graphene in a label-free impedimetric deoxynivalenol immunosensor
Christopher Edozie Sunday, University of Western Cape, South Africa
Title: Fluorescent protein membrane based biosensor for ultrasensitive heme/hemin detection
Xiaoyu Ma, University of Connecticut, USA
Title: A multiplexed protein based urine chip to distinguish recurrent from non-recurrent Bca
Gogalic Selma, Austrian Institute of Technology, Austria

Title: Development of enzyme, antibody and MIP based assays for the rapid detection of biogenic amines
Leena Mattsson, Austrian Institute of Technology, Austria

Panel Discussion

Day 2 September 29, 2015

Hall Chattahoochee Salon A

Keynote Forum

Title: Amphiphile-enhanced antibiotic potency: Imaging penetration
George W Gokel, University of Missouri, USA

Title: A biosensing approach for detecting and managing head injuries in American football
John N Daigle, University of Mississippi, USA

Coffee Break

Title: Free enzyme bio-material as D-glucose sensor
Mouad Lamrani, Menicon Co., Ltd R&D, Switzerland

Title: Quilt packaging advanced interconnect technology for biomedical applications
Jason M Kulick, Indiana Integrated Circuits LLC, USA

Workshop on **Glucose monitoring: Enzymatic vs. non-enzymatic** by **Dr. Yu Lei,** University of Connecticut, USA

Lunch @ Restaurant

Sessions: Biosensing Technologies, Environmental Biosensors, Bioinstrumentation and Transducers in Biosensors

Chair: John N Daigle, University of Mississippi, USA
Co-chair: Woo Hyoung Lee, University of Central Florida, USA

Session Introduction

Title: Enhanced cobalt-based microelectrode and nano-textured phosphate sensor for *in situ* phosphate measurement in drinking water systems
Woo Hyoung Lee, University of Central Florida, USA
Title: Optical-based integrated oxygen sensor for long-term O_2 monitoring for use in organ-on chip platforms
Amir Sanati Nezhad, University of Calgary, Canada
Title: From the engineering to the final application of asymmetric nanomaterials in detection: Rapid and ultrasensitive HEATSENS® thermal based biosensor development
Mariantonietta Parrracino, Nanoimmunotech S.L, Spain
Title: Authenticity and classification of honeys from different geographical and botanical origins based on voltammetric electronic tongue
Nezha El Bari, Moulay Ismail University, Morocco

Coffee Break

Title: FET ion sensor with nanometric lipid gate insulator for high sensitivety detection level
Ahmad Kenaan, Centre Interdisciplinaire de Nanoscience de Marseille, France
Title: PEG-fluorescein-GOx hydrogel for glucose biosensing
Jun Chen, University of Connecticut, USA

Poster Presentations @

Panel Discussion

Day 3 September 30, 2015

Hall Chattahoochee Salon A

Workshop on **Whole plant-cell microfluidic-based biosensor for toxicity testing of environmental pollutants** by **Amir Sanati Nezhad,** University of Calgary, Canada

Coffee Break

Sessions: DNA Chips and Nucleic acid Sensors, Photonic Sensor Technologies, Biosensors for Imaging and BioMEMS/NEMS

Chair: Hong-Yu Yu, South University of Science and Technology, China
Co-chair: Jurgen Van Erps, Vrije Universiteit Brussel, Belgium

Session Introduction

Title: A novel leaky surface acoustic wave (LSAW) biosensor for label-free detection of hepatitis B surface antibody (HBsAb)
Hong-Yu Yu, South University of Science and Technology, China
Title: Photonics-enhanced multi-functional labs-on-chips: From lab to fab
Jurgen Van Erps, Vrije Universiteit Brussel, Belgium
Title: Ordered DNA fragmentation on surfaces for NGS sequencing
NaHyun Cho, Stony Brook University, USA
Title: A facile, colorimetric assay for DPP IV activity and inhibition based on an enzyme-responsive nanoparticle system
Hassan Aldewachi, Sheffield Hallam University, UK
Title: Determination of effect factor for effective parameter on saccharification of lignocellulosic material by concentrated acid
Sina Aghili, Islamic Azad University, Iran

YRF Certificate Distribution and Award Ceremony for Best Posters @ 12:40-12:50

Closing Ceremony

Lunch @ Restaurant

Bookmark your dates

Let us meet again at Next Future Events

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2016

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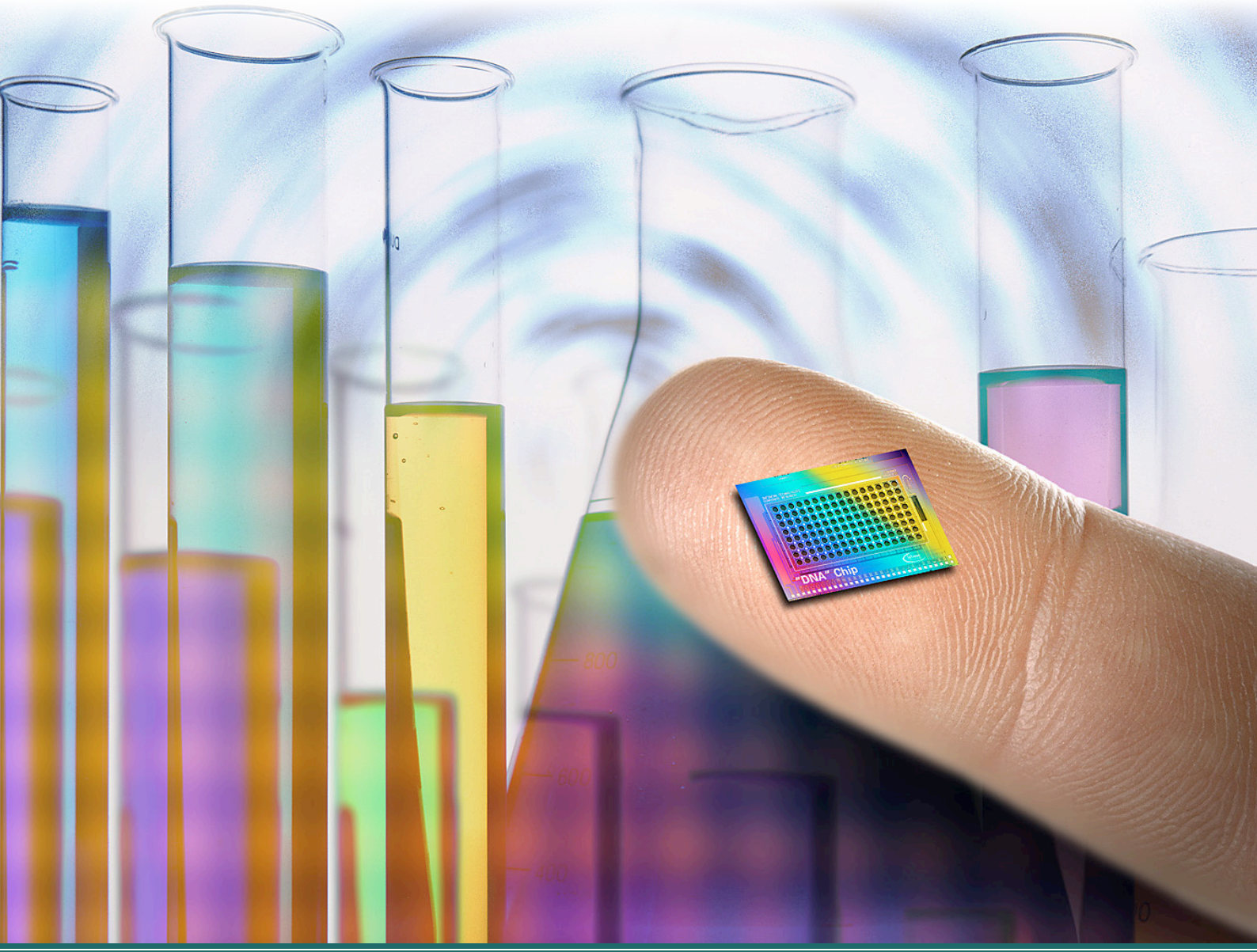
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3rd International Conference and Exhibition on

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Registrations

Texas A

Opening Ceremony

Keynote Forum

Introduction

Eiichiro Ichiishi
International University of Health and Welfare Hospital, Japan

Coffee Break

Nicole Jaffrezic-Renault
University of Lyon, France

Wathiq Mansoor
American University in Dubai, Dubai

Track 1: Security and Sensing
Track 2: Photonic Sensor Technologies
Track 6: Bioinstrumentation
Track 8: Biosensors for Imaging

Session Chair: Hai Feng Ji, Drexel University, USA
Session Co-Chair: Zhixiong Guo, Rutgers University School of Engineering, USA

Title: A mammalian cell-based nanomechanical biosensor
Hai Feng Ji, Drexel University, USA

Title: Orofacial muscle activity acquired in the natural environment of subjects with temporomandibular disorders
Luigi M Gallo, University of Zurich, Switzerland

Title: Synthetic sensing and signal transduction cascades based on artificial autoinhibited proteases
Kirill Alexandrov, University of Queensland, Australia

Lunch Break

Title: Molecular sensing based on optical whispering-gallery mode microsensors
Zhixiong Guo, Rutgers University, USA

Title: The use of boronate probes for the detection of reactive oxygen and nitrogen species
Adam Sikora, Lodz University of Technology, Poland

Title: Fluorescence discrimination of cancer from inflammation by molecular response to COX-2 enzymes
Jiangli Fan, Dalian University of Technology, China

Coffee Break

Title: Optoelectronic techniques in measurement of physiological parameters and their translation into handheld devices for better patient care
Sanjay Jayavanth, King Saud University, Saudi Arabia

Title: A colorimetric logic gate based on urea-gold nanoparticles and applications on Pb^{2+} and Cr^{3+} detection
Jianjun Du, Dalian University of Technology, China

Title: An integrated nanoscale optical glucose sensor with enhanced sensitivity and selectivity via dye-coupled plasmonic interferometry
Jing Feng, Brown University, USA

Title: The development of an oligonucleotide, label-free electrochemical impedance based point-of-care technology
Aldin Maloc, Arizona State University, USA

Title: Hawking radiation from non-stationary rotating de Sitter black hole
Kangujam Yugindro Singh, Manipur University, India

16:35-17:00 Panel discussion

Cocktails sponsored by **Journal of Biosensors & Bioelectronics @ Texas B**

Day 2 August 12, 2014

Texas A

Workshop on **Bionano Sensor for Molecular Imaging and Fusion Technology**
by **Dr. Reid Al Baradie** and **Dr. Santhanaraj Balakrishnan,** Majmaah University, Saudi Arabia

Coffee Break

Track 3: Bioelectronics
Track 4: BioMEMS/NEMS
Track 9: DNA Chips and Nucleic Acid Sensors

Session Chair: Jun-Jie Zhu, Nanjing University, China
Session Co-Chair: Winnie E Svendsen, Technical University of Denmark, Denmark

Title: Microelectronic sensor for DNA analysis
Winnie E Svendsen, Technical University of Denmark, Denmark

Title: Magnetic nanoparticles-based microfludic sensing system for genotyping, CTC measurement and therapeutic monitoring
Daxiang Cui, Shanghai Jiao Tong University, China

Title: Bioelectronics for traumatic brain injury monitoring
E M Drakakis, Imperial College, London

Title: Nanoneedle array: A label-free, real time and matrix independent detection platform for detection of different biomarkers
Rahim Esfandyarpour, Stanford University, USA

Lunch Break

Title: Progress on the studies on visual detection and surface modification testing of glass microfiber filter based biosensor
Yekbun Adiguzel, Istanbul Kemerburgaz University, Turkey

Title: Electrochemical biosensors for the ultrasensitive detection of microRNA
Jun-Jie Zhu, Nanjing University, China

Title: Fabrication of an on-sensor microfluidic device to measure sample flow
Akshaya Shanmugam, University of Massachusetts, USA

Coffee Break

Title: Estimate of the accuracy of the home-made respiratory monitoring systembased on the MEMS acceleration sensor
Jiwon Sung, Korea University, Korea

Poster Presentations @ Texas B

Award Ceremony for Best Posters @ Texas A

Cocktails sponsored by **Journal of Bioengineering & Biomedical Science @ Texas B**

Day 3 August 13, 2014

Texas A

Track 5: Advancement in Nanotechnology
Track 7: Environmental Biosensors
Track 10: Application of Biosensors in Drug Delivery & Clinical Chemistry
Track 11: Sensor Networks and Data Communications

Session Chair: Shaoan Cheng, Zhejiang University, China
Session Co-Chair: Ajay Agarwal, Central Electronics Engineering Research Institute, India

Session Introduction

Title: Sensing heavy metals for environmental monitoring
Mahnaz M Abdi, Universiti Putra, Malysia

Title: An electrochemical sensing interface for dengue virus detection
Sook Mei Khor, University of Malaya, Malaysia

Title: Viral-electromechanical systems: Virus derived sensing and actuating systems
Justyn Jaworski, Hanyang University, Korea

Coffee Break

Title: Amperometric biosensor for the measurement of RBC and MCHC in the blood
Raid Saleem Al-Baradie, Majma'ah University, Saudi Arabia

Title: On exotic nanostructure for bio-FET
Hiroshi Watanabe, National Chiao Tung University, Taiwan
Title: A detection system for the heating value of sludge based on microbial fuel cells
Shaoan Cheng, Zhejiang University, China
Title: The utilization of DNA probes and gold nanoparticles on paper-based analytical devices for tuberculosis diagnosis
Chien-Fu Chen, National Chung Hsing University, Taiwan
Title: Nanowire arrays for multiplexed nano-biosensors
Ajay Agarwal, Central Electronics Engineering Research Institute, India

Lunch Break

Title: Whole cell bacterial biosensor for environmental monitoring and pollutants detection
Saurabh Gupta, Central Electronics Engineering Research Institute, India
Title: Aptamer based *E-coli* detection in waste waters by SWCNTs modified biosensor system
Nimet Yildirim, Northeastern University, USA
Title: Human-inspired bioelectronic nose for water quality monitoring
Manki Son, Seoul National University, Korea

Closing Ceremony

Bookmark your dates

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