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Tentative Program

3rd International Conference on

Battery and Fuel Cell Technology

September 10-11, 2018 London, UK

Theme: "Technological Developments in Improvising Battery and Fuel Cell"









For Available Speaker Slots

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Tentative Program

3rd International Conference on Battery and Fuel Cell Technology

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September 10-11, 2018 | London, UK

Program at a Glance

Day 1

Morning Sessions	**Reception/Registration**	**08.00-09.00**	
		Time	**General Session**
	at 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)	

19 Speakers for **Day 1**

Day 2

Morning Session	**Time**	**Session 1**	**Session 2**
	09.00-10.40	5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
	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)**

40 Speakers on **Day 2**

Awards & Closing Ceremony

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

For more Details PS: https://batterytech.conferenceseries.com/
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Glimpses of Battery Tech 2017 Conferences






























RWTH AACHEN UNIVERSITY













Major Scientific Sessions

- **Technology & Innovation:**

  New Batteries

- **Lithium Batteries**
- **Battery Management System**
- **Fuel Cell Technologies**
- **Applications of Fuel Cells**
- **Electric Vehicles**
- **Hydrogen energy**
- **Super Capacitors**
- **Various Energy Materials**
- **Materials Science**

Best Poster Award



- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates



Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

General Queries

batterytech@enggconferences.com
batterytech@annualconferences.org

Conference Venue

London, UK

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UK: Conference Series llc LTD
Battery Tech 2018
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About London

London, the capital city of England and the United Kingdom which was founded by the Romans and named it as Londinium earlier. London is the world cultural capital and is also crowned as the world's largest financial centre. It is also a leading city in terms of arts, education, fashion, healthcare, finance, commerce, tourism, research and development and many more. It has a diverse range of people where around 300 languages are spoken in the region and it is the second most populous country in the Europe after France.

London's climate has an oceanic temperature. The summers are mild with an average of 24°C. The winters are cool, damp and cloudy with variation in temperature and snowfall sometimes. It has a large number of churches as it traditionally been Christian. The Christians grouping around with 48.4% around the City. According to a survey it has the leading tourists visit with 65 million. The tourist attractions in the city are The National Gallery, Tower of London, The British Museum, Big Ben, London Eye, Tower Bridge, Buckingham Palace, River Thames, Palace of Westminster, St Paul's Cathedral, Trafalgar Square, Sea Life London Aquarium etc.

September, the liveliest month as it enjoys the last weeks of summer. It has a lot of events, festivals and other activities around the city from architecture, boating, music to fashion. The London Fashion weekend is mostly in the month of September where you can catch up the catwalk shows and many designer shops.



Tourist Attractions of London



London Eye



Millennium Bridge



National Gallery



St. Pauls Cathedral



Tower of London



Trafalgar Square



Tower Bridge

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1074th Conference

Scientific Program

2nd International Conference on

Battery and Fuel Cell Technology

July 27-28, 2017 Rome, Italy



UK: Conference Series llc LTD
47 Churchfield Road, London, W3 6AY
Toll Free: +0-800-014-8923

Day 1 July 27, 2017

Registrations

OLIMPICA 2

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Opening Ceremony

Keynote Forum

Introduction

Title: Oxygen ion conducting materials for energy conversion in fuel cells and batteries

Manfred Martin, RWTH Aachen University, Germany

Title: Semiconductor-ionic materials for low temperature solid oxide fuel cells and electrolyte-layer free fuel cells

Muhammad Afzal, KTH Royal Institute of Technology, Sweden

Networking and Refreshments Break

Workshop

Title: Batteries and fuel cells are key technologies in the future energy production

Katsutoshi Ono, Kyoto University, Japan

Sessions: Primary Cell Batteries | Secondary Cell Batteries | Design and Technology of Batteries | Applications of Batteries | Latest Developments in Batteries

Session Chair: Manfred Martin, RWTH Aachen University, Germany

Session Introduction

Title: High capacity anode with Si nanopowder fabricated from swarf for lithium ion battery

Taketoshi Matsumoto, Osaka University, Japan

Title: The development of a decision-making framework for intelligent Energy Storage System

Jun-Hyung Ryu, Dongguk University, South Korea

Lunch Break

Title: Structural Change and Thermal Properties of NCA/LiMn2O4 Blend Materials during the Charging Process

Chunman Zheng, National University of Defense Technology, China

Title: Theories of on-board hydrogen redox electric power generators for infinite cruising range electric vehicles

Katsutoshi Ono, Kyoto University, Japan

Title: Primary Lithium batteries passivation Characteristics and effects in $LiSOCl_2$ chemistries

Shridhar Pandey, Ramway New Energy Co. Ltd., China

Networking and Refreshments Break

Title: Nano-sized lithium-rich cathode $0.4Li_2MnO_3$ $0.6Li[Ni_{1/3}Mn_{1/3}Co_{1/3}]O_2$ prepared by resorcinol-formaldehyde assisted sol-gel method

Yujie Li, National University of Defense Technology, China

Title: Graphene oxide coated S particles with long cycle life for lithium sulfur battery

Liu Shuangke, National University of Defense Technology, China

Title: An analysis of vanadium redox flow battery performance under various operating conditions

Jungmyoung Kim, Changwon national University, South Korea

Title: Microgrid energy storage using Lithium-Sulfur Batteries: Feasibility of solvent-in-salt electrolytes

Ashley Brew, OXIS Energy Ltd, UK

Panel Discussion

Day 2 July 28, 2017

OLIMPICA 2

Keynote Forum

Title: A selective hybrid stochastic approach to proton exchange membrane fuel cells multi parameter identification
Massimo Guarnieri, University of Padua, Italy
Title: Measurement techniques and related challenges involved in the gas diffusion electrode characterization of PEM fuel cell stack
Arunkumar Jayakumar, Auckland University of Technology, New Zealand

Networking & Refreshments Break

Sessions: Classification of Fuel Cells | Applications of Fuel Cells | Hydrogen Energy | Super Capacitors vs. Battery | Various Energy Materials

Session Chair: Arunkumar Jayakumar, Auckland University of Technology, New Zealand

Session Introduction

Title: Development of a pure oxygen and pure hydrogen fuel cell generator for small under water vehicles
Nai-Chien Shih, Ming Dao University, Taiwan
Title: Supercapacitor with improved performance based on ALD-developed two-dimensional WO3/TiO2 heterojunction
Serge Zhuiykov, Ghent University Global Campus, South Korea
Title: Fuel cell performance of SPEEK-PEG-PWA composite membrane
Mamta Kumari, Homi Bhabha National Institute, India
Title: Preparation and characterization of PVC-SP(ST-co-AN) membranes for proton exchange membrane fuel cell applications
Mohamed A Abu-Saied, Advanced Technologies and New Materials Research Institute, Egypt
Title: The potential of micro-fuel cells to power the pacemaker-A critical assessment on material selection
Arunkumar Jayakumar, Auckland University of Technology, New Zealand

Lunch Break

Title: Doping strategies in $NdBaCo_2O_{5+\delta}$ layered perovskites cathodes for IT-SOFCs
Renato Pelosato, Politecnico di Milano, Italy
Title: Graphene oxide membranes as alternative electrolytes for PEM fuel cells
Giovanni Dotelli, Politecnico di Milano, Italy
Title: Development of a Bi-Cell proton exchange membrane fuel cell with optimized groove-designed piezoelectric actuator
Yuan-Lung Hsu, National Taiwan University, Taiwan
Title: Magnetically driven piezoelectric proton exchange membrane fuel cell stack with built-in manifold
Po-Ching Hsu, National Taiwan University, Taiwan

Networking & Refreshments Break

Poster Presentations

BFCT-01	**Title: Detection of coolant leakage in thermal management system of fuel cell vehicle with fault-detection algorithm** **Sangseok Yu,** Chungnam National University, South Korea
BFCT-02	**Title: Alternative stack topologies for vanadium redox flow batteries** **AndreaTrovò,** University of Padua, Italy
BFCT-03	**Title: Composite protection layer coated patterned lithium-metal anode for lithium secondary batteries** **S W Kim,** Hanbat National University, South Korea
BFCT-04	**Title: Water-based ceramic coating separator for lithium metal secondary batteries by using plasma treatment** **Hyunkyu Jeon,** Hanbat National University, South Korea
BFCT-05	**Title: Improved electrochemical performances of Lithium-ion batteries by adding ceramic nanoparticles** **Dahee Jin,** Hanbat National University, South Korea
BFCT-06	**Title: Improvement of the electrochemical performance of Si anodes by use of ultrathin polydopamine coating upon conductive carbon particles** **D Song,** Hanbat National University, South Korea

BFCT-07

Title: Preparation and properties of ionic liquid-based quasi-solid polymer electrolytes for high safer lithium batteries

Qingpeng Guo, National University of Defense Technology, China

Panel Discussion

Awards & Closing Ceremony



Bookmark your dates

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Scientific Program

International Conference on

Battery and Fuel Cell Technology

December 8-9, 2016 Dubai, UAE



Hosting Organization: UK: Conference Series llc LTD

47 Churchfield Road, London, W3 6AY, Toll free: +1-800-216-6499

Heathrow Stockley Park Lakeside House, 1 Furzeground Way, Heathrow, UB11 1BD, UK, Tel: +1-800-216-6499

Email: ; 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



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July 21-22, 2017 London, UK

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