



**CAIRO UNIVERSITY  
FACULTY OF SCIENCE  
DEPARTMENT OF CHEMISTRY**  
**Biannual Conference on Chemistry  
Chem.O7**

**5-7 March 2018**



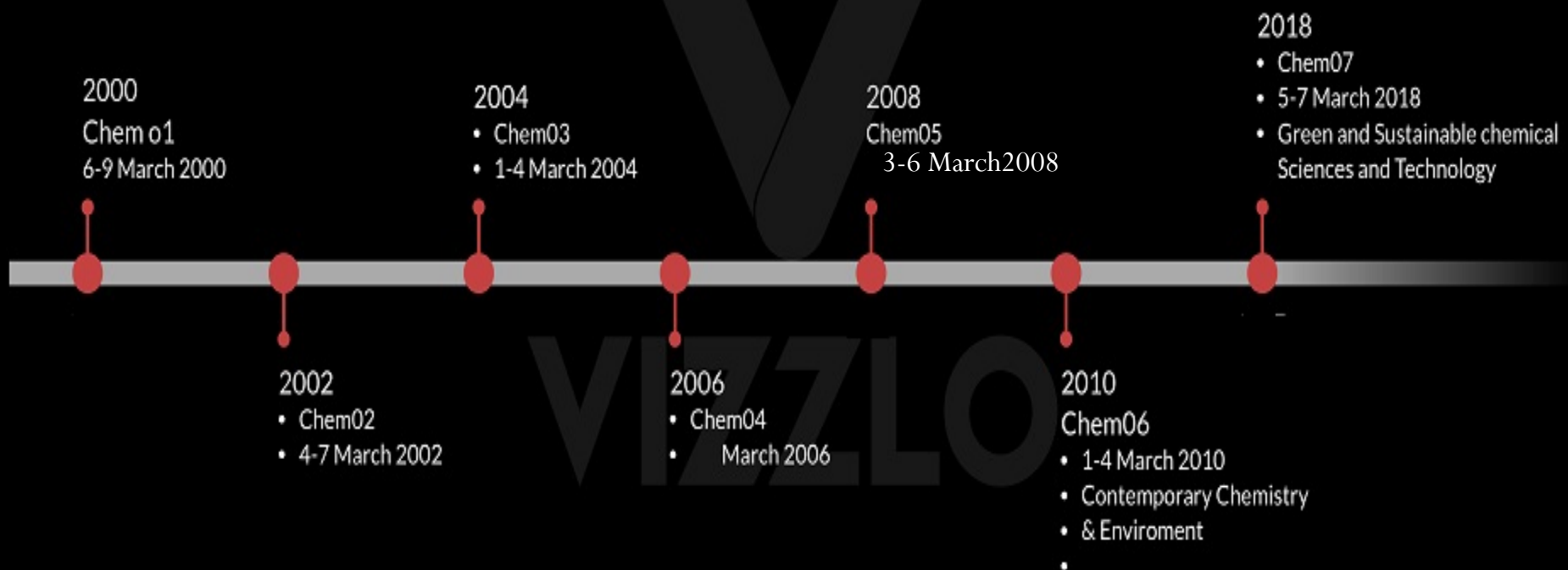
**كلية العلوم - جامعة القاهرة**

**CAIRO UNIVERSITY  
FACULTY OF SCIENCE**

# Time-line

## International Biannual Chemistry Conferences Chem0X

Organized by Chemistry Department, Faculty of Science, Cairo University, Giza, Egypt







"Green and Sustainable chemical Sciences and Technology", Cairo, Egypt, 5-7 March 2018



# Featured Speakers





# "Development of Polymer Membranes for Gas and Liquid Phase Separations"

**Prof. Dr. Volker Abetz ,**

Director of the Institute of Polymer Research  
Institute of Polymer Research, HZGm Geesthacht.

University of Hamburg  
Institute of Physical Chemistry





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# **“Occurrence, analysis and advanced methods of degradation of selected perfluorinated surfactants for environmental and human health protection”**

## **Professor Marek Trojanowicz**

**Institute of Nuclear Chemistry and Technology,  
Dorodna 16, 03-195 Warsaw, Poland**

**Department of Chemistry, University of Warsaw,  
Pasteura 1, 02-093 Warsaw**





# "Simulations of Organic Materials with Optical Activity: Advances, Appraisal, Applications"

## **Professor Mario Barbatti**

Professor of Chemistry,  
Chair of Excellence A\*MIDEX,  
Aix Marseille Univ, ICR, Marseille





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# "Eco-acceptability and Economy – Two Vital Parameters for a Current Chemical Process"

**Professor Brindaban C. Ranu**

Department of Organic Chemistry

Indian Association for the Cultivation of Science

Kolkata -700032







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# Graphene-based Materials for Applications in Heterogeneous Catalysis, Water Treatment and Solar Water Desalination

**Prof. Mohamed Samy El-Shall**

Professor of Chemistry

Affiliate Professor of Chemical Engineering

Virginia Commonwealth University, Richmond, USA



**VCU**







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# "First Principles Approach to X-ray Spectroscopy of Transition Metal Compounds"

**Prof. Oliver Kühn**

Institute of Physics, Rostock University,  
Albert-Einstein-Str. 23-24, Rostock,  
Germany





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# “Fullerene-Filled Liquid-Crystalline Nanostructures – A Possible Solution for LC Photovoltaics?”

**Prof. Matthias Lehmann,**

Institute of Organic Chemistry,  
University of Würzburg, Germany





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# "Development and Bio applications of Nontoxic Carbon Dots"

**Prof. Roger Leblanc**

Department of Chemistry, University of Miami,  
1301 Memorial Drive, Coral Gables,  
Florida, 33146, United States





# «Recent Development on Electrochemical Application on Boron-doped Diamond Electrodes»

Prof. Yasuaki Einaga

Department of Chemistry, Keio University  
Hiyoshi, Yokohama 223-8522, Japan







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# "Nature inspired organocatalytic enantioselective carbon-carbon formation via decarboxylative addition reaction"

**Prof. Swapandeep Singh Chimni**

Department of Chemistry, U.G.C. Centre of  
Advance Studies in Chemistry, Guru Nanak  
Dev University, Amritsar, 143005, India





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**“How in-depth understanding of colloidal interfaces  
paves the way towards efficient photo catalysis,  
wastewater reuse and lightning”**

## **Prof. Doris Segets**

Institute of Particle Technology (LFG) and  
Interdisciplinary Center for Functional Particle  
Systems (FPS), Friedrich-Alexander-Universität  
Erlangen-Nürnberg (FAU)





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# Dynamic mirror symmetry breaking in liquids and liquid crystals

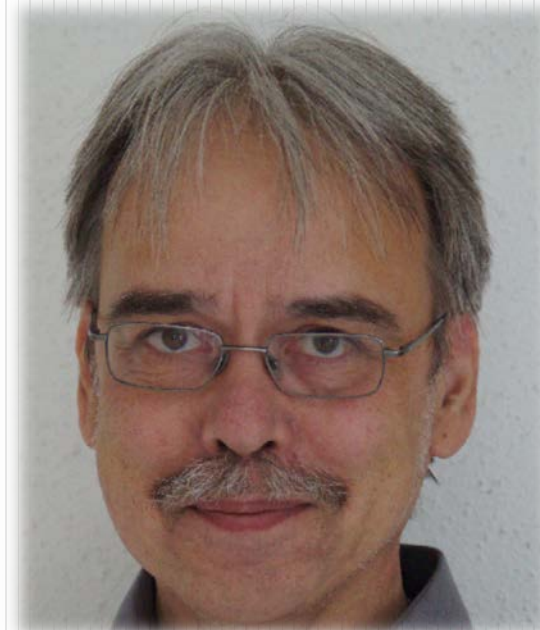
**Prof. Dr. Carsten Tschierke**

Professor of Organic Chemistry

Faculty of Natural Sciences II

Chemistry, Physics and Mathematics

Martin Luther University, Halle, Germany





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# Zeolitic Materials with Hierarchical Porosity: Preparation Concepts and Applications

Prof. Wilhelm Schwieger

Department of Chemical and Bioengineering  
Friedrich-Alexander-University of Erlangen-Nürnberg | FAU  
Germany







# Industrially important oxidation reactions using heterogeneous catalysts

**Prof. Dr. V. Narayana Kalevaru**

Group Leader / Gas Phase  
Oxidations at Leibniz Institute for  
Catalysis at University of Rostock





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# "Smart Nano materials for Better Health"

**Prof. Ibrahim M. El-Sherbiny**

Professor of Nanomaterials, Founding Chairman  
of Nanoscience Program, J. Director of Center for  
Materials Science, Zewail City of Science and  
Technology, 6th October City, 12588 Giza, Egypt





## Cu/Co- Layered double hydroxides supported carbon nanotubes and graphene oxide as enhancing catalysts for carbon-carbon coupling via Aldol and Ullmann reactions

### Prof. Mohamed Mokhtar

Chemistry Department, Faculty of Science, King Abdulaziz  
University, Saudi Arabia

Physical Chemistry Department, National Research Centre,  
El Buhouth St., Dokki, Cairo, Egypt.





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# Sustainable water treatment with visible light photocatalysis

**Prof. Joydeep Dutta**

**Chair of Functional Materials division at the KTH  
Royal Institute of Technology, Stockholm, Sweden**







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# Graphene Based Materials for Energy Applications

**Prof. Ahmed Abd El-Moneim**

Head of Materials Science and engineering department

Egypt-Japan University of Science and Technology





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# A promazine derivative oriented chemical sensor for ultra-sensitive chemical speciation and total determination of chromium(III, VI) species

**Prof. Mohamed Sorrow El-Shahawi**

Professor of Chemistry,

Department of Chemistry

King Abdulaziz University, Saudia Arabia

