



**CAIRO UNIVERSITY  
FACULTY OF SCIENCE  
DEPARTMENT OF CHEMISTRY**  
**Biannual Conference on Chemistry  
Chem.07**

**5-7 March 2018**

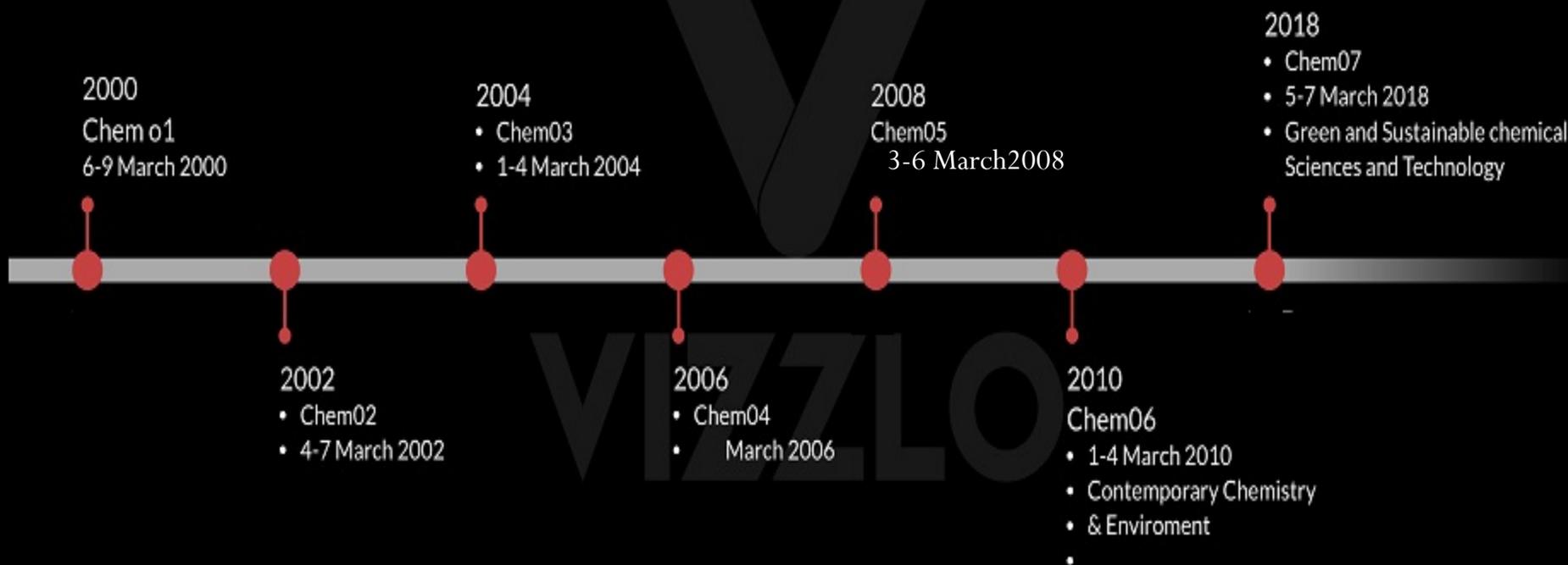


**كلية العلوم - جامعة القاهرة**

**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





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



# “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





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



**“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**





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



# "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





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



# "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





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



# 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





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



# "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





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



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

**Prof. Matthias Lehmann,**  
Institute of Organic Chemistry,  
University of Würzburg, Germany





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



# “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





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



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

Prof. Yasuaki Einaga

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





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



# "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





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



“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)





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



# Dynamic mirror symmetry breaking in liquids and liquid crystals

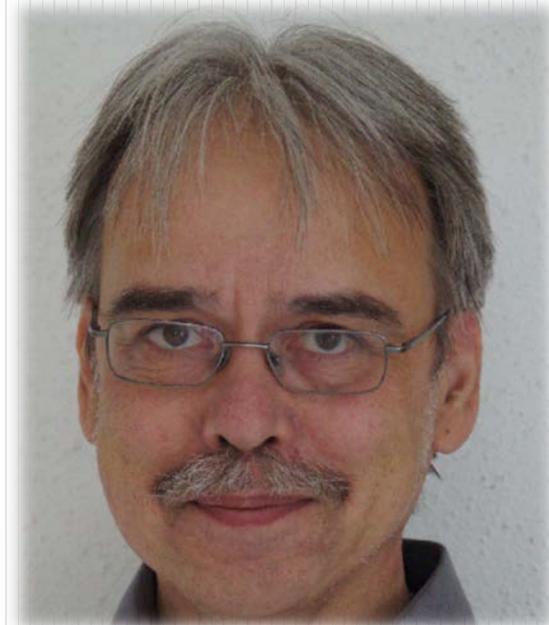
**Prof. Dr. Carsten Tschierke**

Professor of Organic Chemistry

Faculty of Natural Sciences II

Chemistry, Physics and Mathematics

Martin Luther University, Halle, Germany





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



# 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





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



# 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





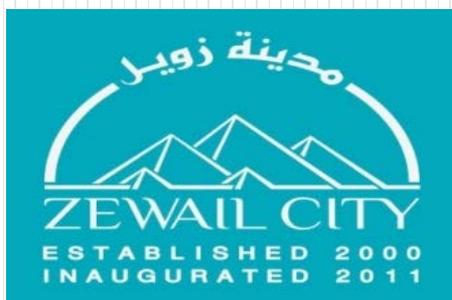
"Green and Sustainable chemical Sciences and Technology", Cairo, Egypt, 5-7 March 2018



# "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**





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



## 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.





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



# Sustainable water treatment with visible light photocatalysis

**Prof. Joydeep Dutta**

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





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



# 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





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



# 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

