



# INTERNATIONAL CONFERENCE

INTERNATIONAL OZONE ASSOCIATION

European African Asian Australasian Group

## Ozone and Related Oxidants: Advances in Science and Technology

From Generation to Application in Water Treatment, Food Processing, Agriculture, Industry, Health and Environment



June 3 - 5, 2014  
Dublin, Ireland

### INTRODUCTION

This event continues a long series of successful conferences organised worldwide to provide an international forum for scientists and engineers with an interest in fundamental and applied aspects of oxidation technologies involving ozone and related oxidants. **EA3G2014** is organised in collaboration with UCD School of Biosystems Engineering. This event will provide an overview of the current state of knowledge and latest advances regarding the use of **Ozone and Related Oxidants for Water Treatment, Food Processing, Agriculture, Industry, Health and Environment**.

### SCOPE AND OBJECTIVES

Global population is growing by about 80 million people annually and will reach ca. 8 billion by 2030 with 60% of urban dwellers. Together with population growth and urbanisation, globalisation and wealth is forcing rapid changes in living standards, food and water consumption patterns. This unprecedented expansion in industrialisation and intensive agriculture poses an array of significant challenges related to the sustainable use of natural resources for provision of basic human needs such as safe drinking water, food, energy and materials. Protection of the environment and human health through adequate control of pollution discharge and development of green processes for the industry fields of agri-food, production & transformation processes, energy and water treatment is also critical. This event will provide an overview of the current state of knowledge and latest advances regarding the use of ozone and related advanced oxidation systems for providing solutions to meet these goals.

**Topics of interest** relevant to the Conference theme include but are not limited to the combinations of:

- Agri-Food safety and quality
- Waste, Air and Soil treatment
- Wash water, process water
- Wastewater treatment, recycling and reuse
- Ecosystem preservation
- Industrial applications
- Reaction mechanisms, kinetics by-products, advanced oxidation
- Hydraulics, hydrodynamics, mass transfer
- Modelling, validation, system design
- Product / Process Research & Development
- Full-scale applications

### PROGRAMME

- **Scientific and technical sessions** with oral and poster presentations, discussions
- **Exhibition** of ozone related products and services
- **Technical visit** of ozone plant(s)
- **Cultural tours** to discover Dublin
- **Conference dinner**.

### CALL FOR PAPERS - PUBLICATIONS

Researchers, scientists, practitioners are invited to propose oral or poster presentations related to the theme topics. Authors should submit an extended abstract in English of two pages (with tables and figures) **by February 28<sup>th</sup>, 2014**:

- Online at [www.ioa-ea3g.org/ea3g2014/](http://www.ioa-ea3g.org/ea3g2014/) (pending);
- By e-mail with the submission form to the IOA-EA<sub>3</sub>G Secretariat with contact details.

The Programme Committee will notify authors about the acceptance of their papers for oral or poster presentation before **March 7<sup>th</sup>, 2014**. Full texts written according to guidelines must be submitted **before April 14<sup>th</sup>, 2014**. The Programme Committee will select and award a prize to the best presentation by a doctorate student. Conference proceedings will be provided to participants at registration.

### ASK EXHIBITION AND SPONSORING OPTIONS

The exclusiveness of the conference theme allows exhibitors and sponsors an ideal opportunity to meet a unique and targeted audience.

For detailed information on sponsoring options, please contact the IOA-EA<sub>3</sub>G secretariat to make the most of this event.

### REGISTRATION

The registration fee will cover scientific and technical sessions, book of abstracts, electronic proceedings, lunches, coffee breaks, exhibition and technical tour.

### LANGUAGE AND CONFERENCE VENUE

The official language will be English.  
The Conference venue will be the Radisson Blu Royal Hotel Dublin, Golden Lane, Dublin, Ireland.

### CONTACT AND UPDATES

For any request  
**IOA-EA<sub>3</sub>G Secretariat**  
Fax +33(0)549 454 060  
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Website: [www.ioa-ea3g.org/](http://www.ioa-ea3g.org/)

For request related to local aspects  
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