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**10th European Congress of Chemical Engineering
(ECCE10)/3rd European Congress of Applied
Biotechnology (ECAB3)/5th European Process
Intensification Conference (EPIC5) – Nice, France,
September 27-October 1, 2015**

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Martine Poux* and Nicolas Roche*

10th European Congress of Chemical Engineering (ECCE10)/3rd European Congress of Applied Biotechnology (ECAB3)/5th European Process Intensification Conference (EPIC5) – Nice, France, September 27-October 1, 2015

DOI 10.1515/gps-2015-0012

In September 2015, the city of Nice, France, will host the 10th European Congress of Chemical Engineering (ECCE10) in conjunction with the 3rd European Congress of Applied Biotechnology (ECAB3) and the 5th European Process Intensification Conference (EPIC5). This will be the most important scientific event in chemical and biochemical engineering in Europe in 2015. The global theme for this group of events is “Chemical and biochemical engineering for a new sustainable process industry in Europe”.

Key features and objectives

The economic crisis affecting Europe has brought back the typically taboo term “reindustrialization” into everyday vocabulary. Reindustrialization is the economic, social, environmental and political process of organizing national resources for the purpose of revitalizing industry and is often achieved through the development of new and innovative activities. This is a means to the neo-industrialization of Europe.

Industrial development is certainly one means for reindustrialization, especially since it will aid in restructuring the economy. Here, R&D sectors have a vital role in providing innovation and technical expertise and

knowledge, which are essential for any ambitious industrial revitalization. Further, reindustrialization aims at developing traditional industries via the integration of new technologies and sustainability. For example, resolution of the petroleum crisis will require an entire reorganization of the economy, whereby less and less carbon energy is employed and replaced by sustainable solutions. In this situation, it is obvious that chemical engineering and biochemical engineering will play an important role.

As reported by several economists, the reindustrialization and the development of industries of the future will need to consider three key fields: environmental preservation and remediation, energy efficiency and human health protection, involving adapted education to new industrial challenges. This group of events aims at participating in this large economical project, which concerns all countries in Europe. Through scientific sessions, workshops and symposia, scientists and industrialists will present their steps towards a new sustainable process industry.

Congress topics

ECCE10-ECAB3-EPIC5 will focus on new advances and opportunities in the core chemical and biochemical engineering disciplines with emphasis on four main societal challenges:

- Energy: new and unconventional resources, conservation and management
- Water management and treatment
- Biotechnology and food
- Industrial ecosystems

ECCE10-ECAB3-EPIC5 will also include four symposia:

- 3rd Symposium on Thermodynamics: Industrial Use of Thermodynamics

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- 5th Symposium on Product Design and Engineering
- 2nd Symposium on Sustainability: Sustainable Management of Natural Resources
- 2nd Symposium of the European Academy of Food Engineering

- Meet your idol
- Jobs forum.

And more...

and workshops on electrochemical engineering, education, process safety and loss prevention, and technological innovation for water management in the urban and industrial context.

These topics will be introduced by a number of plenary lectures and numerous keynotes given by renowned speakers, including:

- Jay Bolus, Vice President of Technical Operations for McDonough Braungart Design Chemistry (MBDC), USA
- François Kalaydjian, Director of the Technologies for the Sustainable Development at IFPEN, France
- Wilfried Seyfert, Senior Vice-President Chemical & Process Engineering at BASF, Germany
- Gerhard Wagner, Director of Biotechnology Center at DSM, The Netherlands
- Philippe Charreau, Vice President of Industrial Development, Launches and Support at Sanofi, France.

A selection of communications will be proposed for publication as full papers in a number of special issues of international journals.

Student events

Four types of fun activities that combine scientific knowledge, games and prizes are open to PhD students and young scientists:

- Student quiz and happy hour
- My PhD is a masterpiece

An open space dedicated to exhibitors will be a unique opportunity for companies and organizations to share their latest advances in the field of chemical and biochemical engineering via the exhibition of their products, services and expertise.

ECCE10-ECAB3-EPIC5 are organized under the auspices of the European Federation of Chemical Engineering (EFCE), the European Society of Biochemical Engineering Sciences (ESBES) and the French Society of Chemical Engineering (SFGP).

Coordinators

- Martine Poux, Laboratoire de Génie Chimique, INP/CNRS/UPS, University of Toulouse, France
- Nicolas Roche, Laboratoire de Mécanique, Modélisation et Procédés propres, Aix Marseille University, France

Scientific chairs

- Chair of ECCE10 Scientific Committee: Jean-Marc Le Lann
- Chairs of EPIC5 Scientific Committee: Jean-Pierre Brunelle, Michel Cabassud, Christophe Gourdon
- Chair of ECAB3 Scientific Committee: Guilherme Ferreira.

Information: www.ecce2015.eu

