

Organized by EFCE-Spain Group:



ANQUE

Engineers  
Industrials de Catalunya

SEQUI

A IQS



Barcelona, Spain | 1<sup>st</sup> - 5<sup>th</sup> October, 2017

10th World Congress  
OF CHEMICAL  
ENGINEERING

11<sup>th</sup> European Congress  
OF CHEMICAL  
ENGINEERING

4<sup>th</sup> European Congress  
OF APPLIED  
BIOTECHNOLOGY

# 10<sup>th</sup> World Congress of Chemical Engineering



Chemical  
and Biochemical  
Engineering in a  
Global World:  
**Solutions  
4 Global  
Challenges**

**Call  
for  
Abstracts**

A place  
for all the  
Chemical and  
Biochemical  
engineering  
community



[www.wcce10.org](http://www.wcce10.org)

(EFCE event number 741)

Main Congress Partners:



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Gold Sponsor:



We create chemistry

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COMMITTED TO BETTER ENERGY

AIChE  
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WCCE10



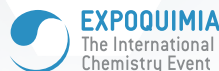
Promoters:



World Chemical Engineering Council



Congress Partner



The International  
Chemistry Event

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# Welcome

It is a great pleasure for us to invite you to participate as delegate, sponsor and/or as exhibitor of the 10<sup>th</sup> World Congress of Chemical Engineering, and its joint events, held in conjunction with the 11<sup>th</sup> European Congress of Chemical Engineering and the 4<sup>th</sup> European Congress of Applied Biotechnology (WCCE10+ECCE11+ECAB4).

This congress will be held in October 1<sup>st</sup> - 5<sup>th</sup>, 2017, at the same time with Expoquimia in FIRA of Barcelona, Spain. The World Chemical Engineering Council (WCEC), the European Federation of Chemical Engineering (EFCE) and the European Society of Biochemical Engineering Sciences (ESBES) promote this "three in one" congress. The EFCE-Spain Group host the congress, which is formed by four Spanish societies: The National Chemists Association of Spain (ANQUE), The Association of Industrial Engineers of Catalonia, The Spanish Society of Industrial Chemistry and Chemical Engineering (SEQUI) and the Association of Chemists and Engineers of the Institut Químic de Sarrià (AIQS).

The WCEC was formed in Melbourne to ensure a high standard of chemical engineering and related science and technology. The Council includes all regional confederations and the principal worldwide institutions and societies of chemical engineering.

EFCE is Europe's most active forum for chemical engineering. For sixty years, it has represented the profession in both industry and academia, crossing different disciplines and nurturing wide collaborations of innovative thinking, research and breakthrough. Its scientific congresses and symposia are the heart of its activities and have now become a biennial and world-famous event, bringing chemical engineering expertise on an unprecedented scale to a single location where all stakeholders can interact, share, debate, collaborate and inspire one another.

The participation of ESBES provides an important channel between industry and academia and fosters the cooperation of bioengineers from all over Europe and overseas.

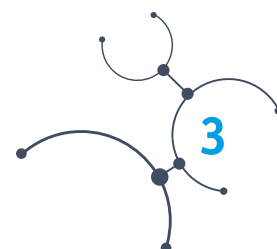
The Congress will take place simultaneously and sharing venue with EXPOQUIMIA, the largest trade fair dedicated to Chemistry in southern Europe, ensuring the best context in terms of affluence and opportunities. The collaboration of all parties will bring innovative solutions to respond to major societal challenges.

The organizers are paying very special attention to young chemical engineers and future talents with knowledge, education and training as the first congress topic. Specific activities of special interest both for the future promises as well as for companies will enrich that focus, looking to identify and recruit talent for the future.

This group of events will be a unique opportunity to meet with researchers and specialists in practically all areas of Chemical Engineering and to improve strategies for the development of innovative processes that will be vital for the industry of tomorrow.

The venue adds an important attraction to the congress. Spain is a beautiful country with an excellent climate, gastronomy and unparalleled hospitality. It is the fourth European economy and a vibrant society in all respects. Barcelona is one of the world's most visited cities. Its privileged position in the Mediterranean shore, gateway and home of several ancient cultures has always represented the essence of art, culture and progress in Spain. Barcelona is the flagship city of the wealthiest region of Spain, leader in art, design, industry and lifestyle, an obliged visit for travellers and an endless source of inspiration.

**Join us in Barcelona!**



# Scientific & Technical Program

The Scientific & Technical Program is structured in three branches:

- Chemical & Biochemical Engineering Core (Topics)
- Grand Challenges for the 21<sup>st</sup> Century (Industrial Program)
- Specialized Joint Events

The Chemical & Engineering Core includes 7 main topics, with 35 subtopics, covering cutting-edge research, new technologies, and emerging growth areas in Chemical and Biochemical Engineering. The Grand Challenges covers the four wide and well-known priority areas for the 21<sup>st</sup> Century: Energy, Water, Health & Well-being and Food & Nutrition. Every congress day will focus on one of these Grand Challenges, which will be closely related to the industrial program to make it relevant for the real life and the current industrial scenarios.

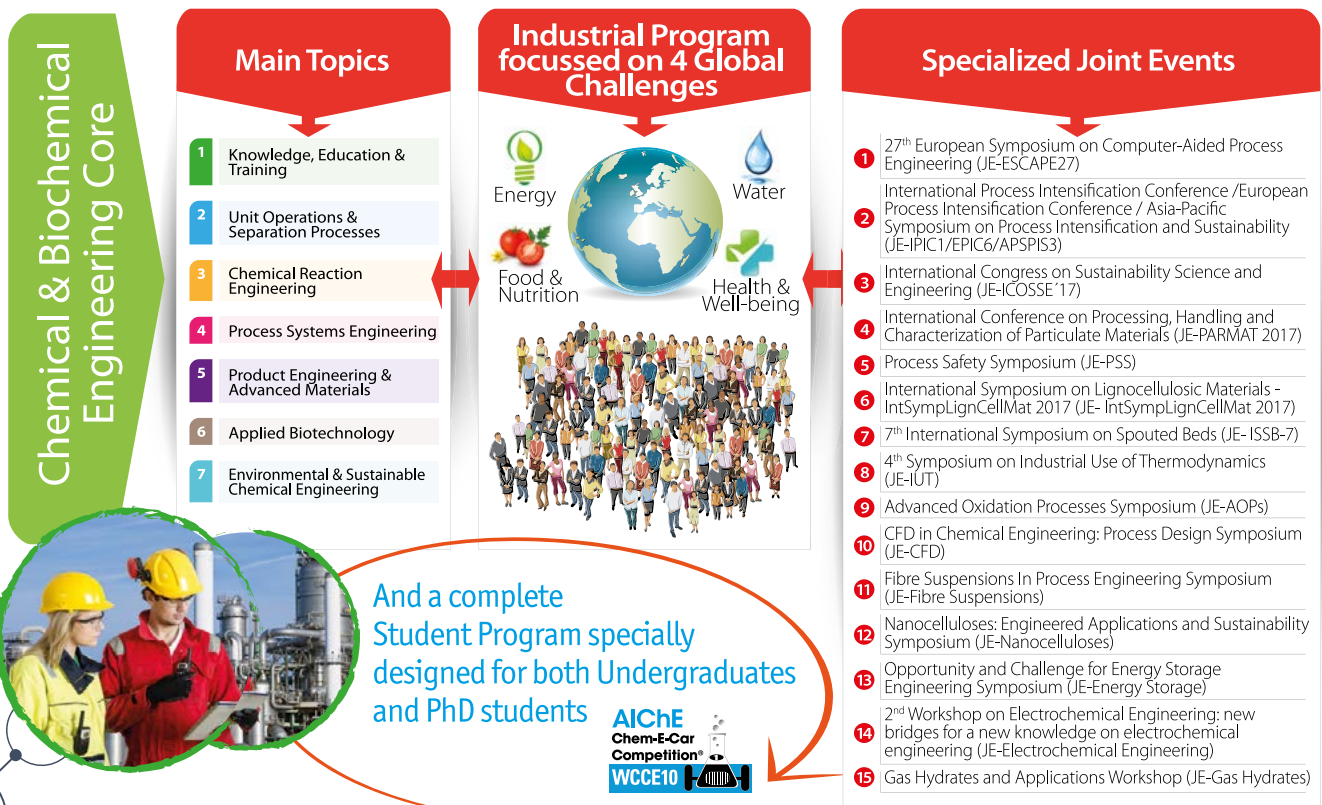
**Get all the details in the congress website!**



(S&T Program, Joint Events and Student program sections)

**CALL FOR PAPERS IS OPEN FOR ALL PROGRAM BRANCHES. GET GOING NOW AND PARTICIPATE ONLINE IN ABSTRACTS SUBMISSION**

**This figure shows the integration between the C&BE Core, Industrial Program and Specialized Joint Events.**



## Undergraduate Student Program

Included in the agenda, you will soon find a program specifically designed for undergraduate students. Three days of career information, CV-Clinic, competitions and networking activities. These activities will take place from September 30th and include:

- Chem-E-Car<sup>®</sup> World competition. Organized by AIChE, this competition engages students in designing and constructing a car powered by a chemical energy source that will safely carry a specified load over a given distance.
- Workshops and mini-courses focus on Career Development.
- Best presentation and poster award.
- Technical tours to chemical plants.
- Expoquimia guided tour.
- Networking and entertainment.



## PhD Student Program

PhD-Students and young professionals will have the opportunity to participate in activities specifically organised for them during the congress days, that aim to provide a discussion forum and to offer deep insights into topics of their interest. These activities will include:

- Keynote Speakers.
- Workshops.
- Career fair, will match employers with young science and engineering professionals seeking employment.
- Competitions and networking opportunities

A [specific student committee](#) has been established to analyse new ideas and suggestions for discussion to include those most strongly supported.



# Specialized Joint Events

The offer of specialized Joint Events is large, specific and very applicable for professionals as well as students seeking to delve further into specific knowledge of processes and technologies. This third and vital branch of the Scientific and Technical program offers the following events to which you can already submit papers:

(You can find all the detailed information including committees, topics, call for papers and more in the

[+JOINT EVENTS congress website section\)](#)



## 1 27<sup>th</sup> European Symposium on Computer-Aided Process Engineering (JE-ESCAPE27)

ESCAPE-27 will offer you the ideal scenario to present and discuss the last advances in methods and tools for Computer-Aided Process Systems Engineering. Specifically, this time it will focus on the global challenges of the 21<sup>st</sup> century: sustainability, energy efficiency, water management, health and food.



### ESCAPE-27

European Symposium on Computer-Aided Process Engineering

## 2 International Process Intensification Conference/European Process Intensification Conference/Asia-Pacific Symposium on Process Intensification and Sustainability (JE-IPIC1/EPIC6/APSPIS3)

IPIC1/EPIC6/APESIS3 will be an excellent opportunity to learn about recent implementations in industry, the latest advances in research, and the current offer from technology providers. Furthermore, discussions on the state of the art and future perspectives of process intensification will keep you updated on future trends.



## 3 International Congress on Sustainability Science and Engineering (JE-ICOSSE '17)

The urgent need for more sustainable products and processes is a huge opportunity for innovation. ICOSSE '17 will consider the background trends that are driving this tendency, a wide range of new process technologies, and how to promote sustainable solutions.



**ICOSSE**  
International Congress on  
Sustainability Science & Engineering



## 4 International Conference on Processing, Handling and Characterization of Particulate Materials (JE-PARMAT 2017)

PARMAT2017 is devoted to all the aspects related to the chemical and mechanical processing, handling and characterization of particulate materials in industry, including hazards and risks that are usually presented during these operations. This International Conference will provide a unique opportunity to integrate academic/scientific research and industry issues and requirements from researchers and industrialists around the world.



## 5 Process Safety Symposium (JE-PSS)

CCPS, EPSC, IChemE, MKOPSC, and WPLP will be holding a joint Process Safety Symposium as part of WCCE10. This will be a 2-day single track joint event.

The scope of this joint process safety symposium is to have a dialogue on this call for action, and raise awareness and understanding on the importance of process safety among all stakeholders. The focus will be to foster discussion between scientists, professors, engineers, industrial professionals by sharing process safety lessons learned and process safety leadership and management best practices, and highlighting the critical need to improve process safety education and competence.



## 6 International Symposium on Lignocellulosic Materials (IntSymLignCellMat 2017)

The conference will set the stage to critically analyze biorefining production platforms for building block chemicals, complex materials, value-added products and underutilized by-products from biomass. Opportunities will arise to accelerate scientific discovery and help promote, advance and disseminate new knowledge in all aspects of lignocellulosic biorefineries.



## Specialized Joint Events

### 7 7<sup>th</sup> International Symposium on Spouted Beds (JE- ISSB-7)

ISSB-7 will uphold the tradition of this series of conferences by focusing on fundamental research on spouted beds, but it will significantly expand into emerging applications of spouted bed and noble spouted bed technologies, especially those related to new processes for the production of eco-friendly chemicals, pharmaceuticals, and renewable and sustainable energy.



### 8 4<sup>th</sup> Symposium on Industrial Use of Thermodynamics (JE -IUT)

The objective of this joint event is to trigger innovation by encouraging on joint industry-academic collaboration. The proposed event wants to be an opportunity for practicing engineers to be in close contact with the most recent scientific developments in the area of thermodynamics.



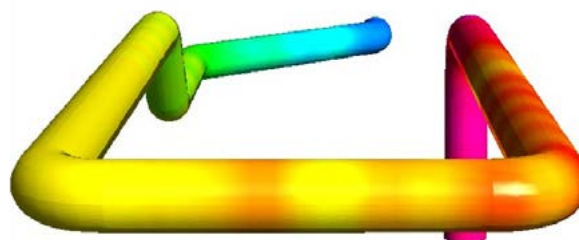
### 9 Advanced Oxidation Processes Symposium (JE-AOPs)

The main scope of this symposium is to foster discussion among scientists, professors, engineers, industrial, and environmental professionals regarding their latest results and cutting-edge issues in the development and use of advanced oxidation processes. Presentations and posters will particularly focus on recent scientific and technological progress in AOPs application to the treatment of water, groundwater, industrial, municipal and agro-industrial wastewater; air, odour and VOC control; soils and wastes; the combination of AOPs with other treatments; the reduction of energy use; water-energy-food nexus, and new developments in pilot and full applications at industrial scale.



### 10 CFD in Chemical Engineering: Process Design Symposium (JE-CFD)

The symposium will provide a forum for engineers and researchers who work with CFD to exchange ideas and present their contributions. The scope of the symposium covers the application of CFD in chemical processes, equipment design and optimization and also new emerging CFD technologies.





## 11 Fibre Suspensions In Process Engineering (JE-Fibre Suspensions)

This special Symposium aims at bringing together researchers working in different fields, also participants working in related industries, as well as those in charge of equipment design for industries involving the handling of fibrous suspensions to generate new ideas to go a step forward in the current state of the art.



## 12 Nanocelluloses: Engineered Applications and Sustainability (JE-NANOCELLULOSES)

This Symposium will review recent progress in production and applications - both industrial and emerging. It will be divided in three topics: 1) fundamentals; 2) applications and emerging fields and 3) sustainability.



## 13 Opportunity and Challenge for Energy Storage Engineering Symposium (JE-Energy Storage)

This symposium organized by The Chemical Industry and Engineering Society of China (CIESC) is focused on both fundamental and applied aspects of energy storage science and technology.



## 14 2<sup>nd</sup> Workshop on Electrochemical Engineering: new bridges for a new knowledge on electrochemical engineering (JE-ELECTROCHEMICAL ENGINEERING)

This workshop will combine the great impulse of the electrochemical technology in many developing regions and connect it with the tradition of the European community of researchers, of course not excluding researchers from all other regions of the world.



## 15 Gas Hydrates and Applications (JE-Gas Hydrates)

This special workshop on gas hydrates and applications is meant to bring together scientists from both industry and academia to share current state of the art and stimulate new ideas and practice on the topic of gas hydrates covering experimental, theoretical and simulation studies.



# Committees

## Executive Board Committee



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**Congress Chair.**  
EFCE-Spain Group Representative.  
*Complutense University of Madrid, (ES)*



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*University of Cantabria, (ES)*



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**Chair Industrial Program.** President Dow Chemical Iberica.  
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**Cochair Industrial Program.**  
General Manager of FEIQUE, (ES)



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**Student Program.**  
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**Communication Director.**  
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**Antonio Estevez.**  
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DECHEMA e.V., (DE)



**Philippe Tanguy.** Total, (FR/DE)



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# Committees

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**Ángeles Blanco. Secretary.**  
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**Guilherme Ferreira.**  
**President of ESBES. DSM Biotech. Centre, NL & U. Algarve, (PT)**



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**Ignacio Grossmann.**  
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*University of Cantabria, (ES)*



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**Scientific Vice-President of EFCE.**  
*ENSIACET Toulouse, (FR)*



**Greg Stephanopoulos.**  
**AICHe President.**  
*Massachusetts Institute of Technology, (USA)*



**David Shallcross.**  
**S&T Chairman of WCCE6-Melbourne 2001. U. Melbourne, (AU)**



**Ganapati Yadav.**  
*Institute of Chemical Technology Mumbai, (IN)*



## Topic Coordinators



### TOPIC 1

Knowledge,  
Education  
& Training

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**Eric Schaer.** Chair. *ENSIC, (FR)*  
**Jenni Case.** *Cape Town University, (ZA)*  
**Bingzhen Chen.** *Tsinghua University, (CN)*  
**Sebastian Engel.** *Dortmund University, (DE)*  
**Jarka Glassey.** *Newcastle University, (UK)*

**Carme González.** *University of Barcelona, (ES)*  
**Redhouane Henda.** *Laurentian University, (CA)*  
**M. Sam Mannan.** *Texas A&M University, (USA)*  
**Pitt Martin.** *Sheffield University, (UK)*  
**Kamarza Mulia.** *Indonesia University, (ID)*



### TOPIC 2

Unit  
Operations  
& Separation  
Processes

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Technology, (PL)*  
**Elisabetta Brunazzi.** *Pisa University, (IT)*  
**Jean Charles de Hemptinne.** *IFP Energies  
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**Martin Morgener.** *Université de Technologie  
de Compiègne, (FR)*  
**Álvaro Ramírez.** *UPM, (ES)*  
**Ana Soto.** *Santiago University, (ES)*

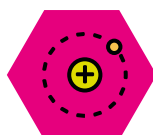


### TOPIC 3

Chemical  
Reaction  
Engineering

**Jamal Chaouki.** Chair. *Polytechnique  
Montreal, (CA)*  
**Olaf Hinrichsen.** *TU Munchen, (DE)*  
**Faical Larachi.** *Laval University, (CA)*

**Martin Olazar.** *Pais Vasco University, (ES)*  
**Manuel Rodrigo.** *UCLM, (ES)*  
**Eberhard Schlücker.** *Erlangen University, (DE)*  
**Alfredo Soldati.** *Udine University, (IT)*



### TOPIC 4

Process  
Systems  
Engineering

**Ignacio Grossmann.** Chair. *Carnegie-Mellon  
University, (USA)*  
**Joaquin Casal.** *UPC, (ES)*  
**Antonio Espuña.** *UPC, (ES)*  
**Bruno Fabiano.** *Genova University, (IT)*

**Thomas Van Gerven.** *KU Leuven, (BE)*  
**Jiri J. Klemes.** *Pannonia University, (HU)*  
**Miguel Ladero.** *UCM, (ES)*  
**Rafael Mato.** *Valladolid University, (ES)*



### TOPIC 5

Product  
Engineering  
& Advanced  
Materials

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**Markus Busch.** *TU Darmstadt, (DE)*  
**Tomás Cordero.** *Málaga University, (ES)*  
**Christoph Herwig.** *Vienna University of  
Technology, (AT)*

**Reinhard Kohlus.** *Hohenheim University, (DE)*  
**Inmaculada Ortiz.** *Cantabria University, (ES)*  
**José Santiago Torrecilla.** *UCM, (ES)*  
**Jens Uhlemann.** *Bayer Tech. Serv., (DE)*



### TOPIC 6

Applied  
Biotechnology

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**Manuel Cánovas.** *Murcia University, (ES)*  
**Mario Díaz.** *Oviedo University, (ES)*  
**Michel Eppink.** *Wageningen University, (NL)*  
**Jarka Glassey.** *Newcastle University, (UK)*  
**Alois Jungbauer.** *Wien University, (AT)*  
**Jack Legrand.** *Nantes University, (FR)*

**Juan Lema.** *Santiago University, (ES)*  
**Angel Mohedano.** *UAM, (ES)*  
**Marcel Ottens.** *TU Delft, (NL)*  
**Victoria Santos.** *UCM, (ES)*  
**Francisco Valero.** *UAB, (ES)*  
**Juan Carlos Villar.** *INIA, (ES)*  
**Luuk Van Der Wielen.** *TU Delft, (NL)*



### TOPIC 7

Environmental  
& Sustainable  
Chemical  
Engineering

**Ángel Irabien.** Chair. *Cantabria University, (ES)*  
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**M. Uxue Alzueta.** *Zaragoza University, (ES)*  
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**Miguel Ladero.** *Complutense University of Madrid, (ES)*  
**Rafael Mato.** *Valladolid University, (ES)*  
**Giorgios Stefanidis.** *KU Leuven, (BE)*  
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**Heriberto Cabezas.** Co-chair. *EPA-USA/Pázmány Péter Cath. University, (HU)*  
**Kimberly Ogden.** Co-chair. *Arizona University, (USA)*  
**Adisa Azapagic.** *University of Manchester, (UK)*  
**Richard Darton.** *Oxford University, (UK)*  
**Darlene Schuster.** *AIChE, (USA)*  
**Angel Irabien.** *University of Cantabria, (ES)*

### (JE-PARMAT 2017)

**Álvaro Ramírez-Gómez,** Chairman. *Mechanics of Particulate Solids*  
**Martin Morgeneyer,** Co-Chairman. *Characterization of Particulate Systems*  
**Stefan Heinrich.** *Agglomeration*  
**Arno Kwade.** *Comminution and Classification*  
**Marco Mazzotti.** *Crystallization*  
**Angélique Leonard.** *Drying*  
**Jerzy Baldyga.** *Mixing*  
**Alfredo Soldati.** *Multiphase Fluid Flow*

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**Sam Mannan.** *Mary Kay O'Connor Process Safety Center, (USA)*  
**Bruno Fabiano.** *Working Party of Loss Prevention-EFCE, (IT)*  
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*(JE-IntSymplignCellMat 2017)*

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**Martin Olazar.** *University of the Basque Country UPV/  
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**Susana Bottini.** *Plapiqui, (AR)*  
**Ioannis Economou.** *Texas A&M University at Qatar, (QA)*  
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**Bandaru V. Ramarao.** *State University of New York, (USA)*

*(JE-Nanocelluloses)*

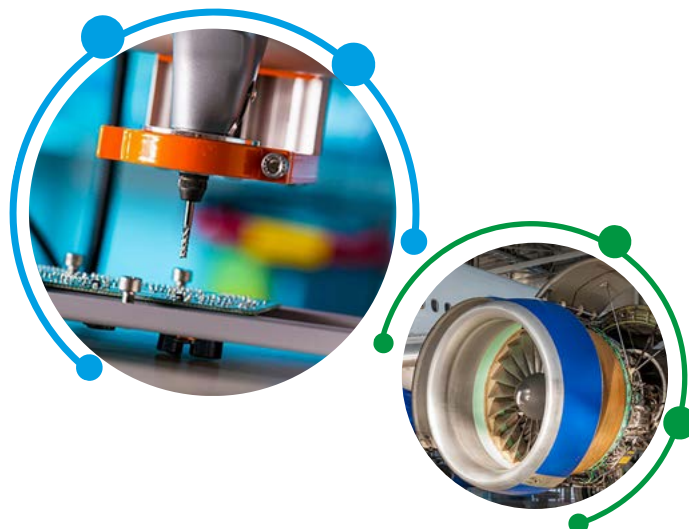
**Gil Garnier, Chair.** *Monash University, (AU)*  
**Marc Delgado-Aguilar.** *Girona University, (ES)*  
**Noemi Merayo.** *Complutense University of Madrid, (ES)*

*(JE-Electrochemical Engineering)*

**Manuel Rodrigo, Chair.** *Universidad Castilla la Mancha, (ES)*  
**Ann Cornell.** *KTH, (SE)*  
**Karel Bouzek.** *UCT, (CZ)*  
**Enric Brillas.** *Barcelona University, (ES)*  
**Vicente Montiel.** *Alicante University, (ES)*  
**Ignacio Sirés.** *Barcelona University, (ES)*  
**Ane Urtiaga.** *Cantabria University, (ES)*

*(JE-Gas Hydrates)*

**Peter Englezos, Chair.** *University of British Columbia, (CA)*  
**Praveen Linga.** *National University of Singapore, (SG)*



# Sponsorship

The 10<sup>th</sup> World Congress of Chemical Engineering held in conjunction with the 11<sup>th</sup> European Congress of Chemical Engineering and the 4<sup>th</sup> European Congress of Applied Biotechnology is a unique opportunity for companies, organizations and governments to contribute to the advancement and development of up-to-date and progress scientific and technical issues related

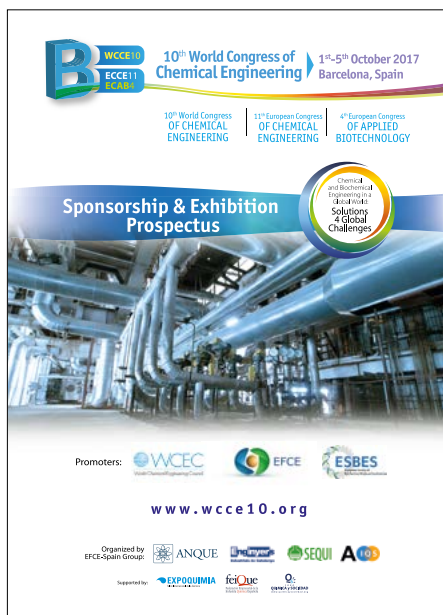
to the field of Chemical Engineering and proposing solutions for global challenges.

The fact that it integrates three events in one with different geographical, thematic and specialization scopes converts it in the widest ranging event in the world for chemical engineering.

**Partnering with WCCE10, ECCE11 and ECAB4 will guarantee Sponsor business success attracting pertinent partakers in and around the three Congresses.**

## Reasons to Sponsor this Event

- Share and publicize innovative concepts, technologies and research related to chemical engineering
- Rise awareness and promote company/organization or product in the chemical engineering community
- Develop and enhance company's/organization's profile as a prominent leader in the research and development of chemical engineering
- Build business or scientific relationships and expand networks with world's foremost partners
- Recruit talented scientists and engineers with expertise in chemical engineering
- Nurture long-term relationships with cross-disciplinary and multinational communities.

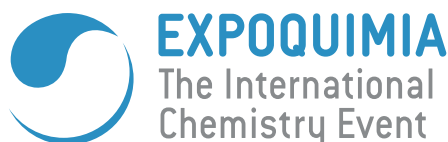


Complete offer, packages and opportunities available in congress website!





## Exhibition



Expoquimia, as congress partner will be responsible for the exhibition. There will be fantastic opportunities to exhibit products or services during the congress days in Expoquimia 2017 at the venue, Fira de Barcelona's Gran Via exhibition centre. All delegates will have free access to Expoquimia. Eurosurfas and Equiplast.

Expoquimia, Eurosurfas and Equiplast is a triple trade show event and the largest platform for promoting and disseminating the applied chemicals sector in Europe and internationally. Expoquimia focusses on Chemistry and its applications. Equiplast is the International Plastics and Rubber Exhibition, and Eurosurfas, the International Paint and Surface Treatment Exhibition.

Expoquimia fair is the most important platform of the Industrial chemical sector in the Mediterranean, the second in importance in the European sphere after ACHEMA. It is considered a gateway to both Latin America and Europe itself. It concentrates qualified and decision-making professionals that join forces spreading the contribution of the Chemical sector on economy and society. Moreover, Expoquimia constitutes a reference forum of science and innovation, thanks to the quality of the technical and scientific workshops that take place during its celebration.

Further details to contract space at Expoquimia website

<http://www.expoquimia.com>



## Social Program

A once in a lifetime opportunity to access historical and cultural venues of a city with one of the richest monumental and cultural heritage in the world, Barcelona.

The social program is fast progressing. A number of exclusive venues will host the main congress social events including:

### **Sunday, October 1<sup>st</sup>: Welcome Reception: at Fira.**

After the opening ceremony a welcome reception will follow. It will include a traditional Human Tower Exhibition (Castellers). A castell is a human tower built traditionally in festivals at many locations within Catalonia. On November 16, 2010, castells were declared by UNESCO to be amongst the Masterpieces of the Oral and Intangible Heritage of Humanity.



### **Monday, October 2<sup>nd</sup>: Sagrada Família Visit.**

The Sagrada Família is Antoni Gaudí's best-known work and has become an undisputed symbol of Barcelona. This unique modern temple has been under construction since 1882.

*(Please note that some restrictions applied to this visit, World Heritage Site)*

### **Wednesday, 4<sup>th</sup>: October Gala Dinner.**

Congress Gala will be held at the Barcelona Maritime Museum (Atarazanas Reales). The building is of Gothic style, its construction was carried out in a first stage between 1283 / 1328 and the second between 1328 / 1390. Subsequent reforms and extensions have been made, basically keeping the original structure.

*(Registration required)*





## Awards

The WCCE10 congress in Barcelona is a unique opportunity to acknowledge both young and senior scientists who have carried out remarkable work recently or over a significant period of time. The

awardees will be presented in a special ceremony that will be held on Monday 2<sup>nd</sup> as well as during the development of some WCCE10 Joint Events.

## Abstracts

### Guidelines & Online abstracts submission

Abstracts should be submitted using the "Online Submission" section in the congress website where you will find all instructions.

**PRE-REGISTRATION OR SIGN IN ONLINE ABSTRACT SUBMISSION**



### Deadline Submission

To guarantee being considered by the program committee, all contributed abstracts must be submitted before the deadline (January 30<sup>th</sup> 2017). Submitted abstracts after the deadline may be only accepted as posters.

### Acceptance

Authors whose abstracts have been accepted will be notified by e-mail by May 30<sup>th</sup> 2017.  
Contact: [abstractsubmission@wcce10.org](mailto:abstractsubmission@wcce10.org)

**VERY IMPORTANT NOTE:**  
Please take note that it is absolutely necessary to Pre-register in order to obtain the "password" and "username" before to submit your abstract.

## Registration

Pre-registration and registration must be made online in the congress website where you will find all instructions.

### Registration fees

	Early bird registration fee (deadline: 30 <sup>th</sup> June)	Standard registration fee (deadline: 1 <sup>st</sup> September)	Late registration fee (deadline 20 <sup>th</sup> September)	Onsite registration fee
<b>Delegate</b>	760 €	860 €	960 €	1.060 €
<b>PhD-Student</b>	450 €	550 €	650 €	750 €
<b>Undergraduate (only student program)</b>	125 €	225 €	325 €	425 €

VAT incl.





10th World Congress  
OF CHEMICAL  
ENGINEERING

11th European Congress  
OF CHEMICAL  
ENGINEERING

4th European Congress  
OF APPLIED  
BIOTECHNOLOGY

## Important dates

### ABSTRACT SUBMISSION

- Deadline for abstract submission: **30<sup>th</sup> January, 2017**
- Evaluation period: **March - May, 2017**
- Author notification (abstract acceptance): **30<sup>th</sup> May 2017**

### PROGRAM

- Preliminary Program (online): **30<sup>th</sup> June, 2017**
- Final Programme (online): **1<sup>st</sup> September, 2017**

### REGISTRATION

- Early Bird Registration deadline: **30<sup>th</sup> June, 2017**
- Regular Registration deadline: **1<sup>st</sup> September, 2017**
- Late Registration deadline: **20<sup>th</sup> September, 2017**

### ACCOMMODATION

- Deadline accommodation: **September 1<sup>st</sup>, 2017**

### WCCE10+ECCE11+ECAB4 Congress:

- **1<sup>st</sup> - 5<sup>th</sup> October, 2017**

### ESCAPE27 Participants:

- Please note that ESCAPE27 deadlines due to the double review process (abstract and full manuscript) has different deadlines.

## Contacts

<http://www.wcce10.org>

### ABSTRACT SUBMISSION

Scientific Secretariat: [scientificsecretariat@wcce10.org](mailto:scientificsecretariat@wcce10.org)

Online abstract submission: [abstractsubmission@wcce10.org](mailto:abstractsubmission@wcce10.org)

# 10<sup>th</sup> World Congress of Chemical Engineering

**www.wcce10.org**

(EFCE event number 741)

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