



**WCCE10**  
**ECCE11**  
**ECAB4**

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

**Barcelona, Spain**

**10<sup>th</sup> 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  
Chemical Engineering**

Promoters:

 **WCEC**  
World Chemical Engineering Council

 **EFCE**  
(EFCE event number 760)

 **ESBES**  
European Society of Bioprocess Engineering Specialists

Organized by EFCE-Spain Group:

 **ANQUE**

 **Enginyers**

 **SEQUI**

 **AIQS**

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

# STUDENT PROGRAM

SEPTEMBER 30<sup>TH</sup> – OCTOBER 2<sup>ND</sup>

KEYNOTES

WORKSHOPS & INDUSTRY TOURS

STUDENT POSTER & QUIZ COMPETITIONS

CHEM-E-CAR<sup>®</sup>

SOCIAL PROGRAM

## KEYNOTES

### ***Water and energy***

Víctor Monsalvo. Head of Eco-Efficiency at FCC Aqualia.



### ***Soil remediation***

Peter Jaffe. Princeton University.

## WORKSHOPS



### ***Chemical Engineering and Sustainability***

Richard Darton

### ***Leadership and enterprising***

Jesús Arauzo. Universidad de Zaragoza



### ***How to write a successful CV***

Laura Escabias. AstraZeneca Spain.



### ***Beer homebrewing***

AIChE Chapter Barcelona

### ***AIChE Student Chapter***

Sarah Ewing





## INDUSTRY TOURS

### Tour 1: Tarragona

- Repsol (40 students)
- Basf (40 students)

### Tour 2: Barcelona

- EDAR (40 students)
- ETAP (40 students)
- Toquem (20 students)
- DAMM ???



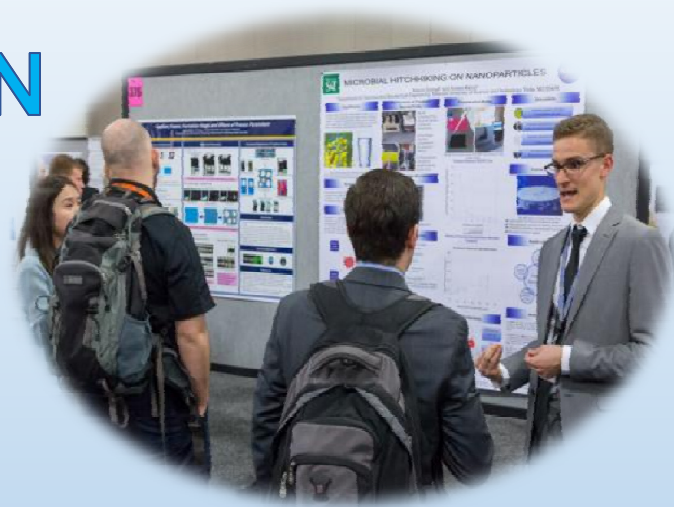
# STUDENT POSTER COMPETITION

## 7 TOPICS:

1. Knowledge, Education and Training
2. Unit Operations and Separation Processes
3. Chemical Reaction Engineering
4. Process Systems Engineering
5. Product Engineering and Advanced Materials
6. Applied Biotechnology
7. Environmental and Sustainable Chemical Engineering

**500 € AWARD TO THE 7 TOP POSTERS**

<http://www.wcce10.org/index.php/student-program/student-poster-competition>



## CHEM. ENG. QUIZ

**Kahoot!**

3 rounds!

45 questions!



**Make your teams!**

Max. 4 students/team

Max. 2 teams/university

**Amazing awards!**





## CHEM-E-CAR®

### ORGANIZATION:

AIChE

### ACTIVITIES:

Chem-E-Car Safety Inspection

Chem-E-Car Poster Competition

Chem-E-Car Competition



## SOCIAL PROGRAM

### TOURS IN BARCELONA:

Organized by Pacífico

### STUDENT MIXER PARTY:

Kennedy Irish Sailing Club





SATURDAY, SEPTEMBER 30 <sup>th</sup>	SUNDAY, OCTOBER 1 <sup>st</sup>	MONDAY, OCTOBER 2 <sup>nd</sup>	TUESDAY, OCTOBER 3 <sup>rd</sup>
09:00 Registration desk opening	09:30 <b>Keynote K2:</b> Soil remediation. Peter Jaffe. Princeton University	09:00 WCCE10 Opening	10:00 <b>WCCE10 Plenary Lecture</b>
09:30 Student Welcome (J.J. Rodriguez)		09:00 <b>Industry tour A.</b> Departure Tarragona.	11:30 Expoquímica guided tour
10:00 <b>Keynote K1:</b> Water and Energy. Carlos Monsalvo. FCC- Aqualia	10:30 Coffee break	10:00 <b>WCCE10 Plenary Lecture</b>	
10:30 Coffee break	11:00 <b>Chem-E-Car Poster Competition</b>	11:45 <b>Industry tour B.</b> Departure Barcelona	
11:00 <b>Workshop W1:</b> AIChE Student Poster. Sarah Ewing. AIChE.	11:00 <b>Workshop W4:</b> Leadership and enterprising. Jesus Arauzo. U. Zaragoza		
11:30 <b>Workshop W2:</b> Beer homebrewing. AIChE Chapter	11:45 <b>Workshop W5:</b> Chemical Engineering and Sustainability. Richard Darton		
12:00 <b>Student Poster Competition</b> (lunch in poster area)	12:30 <b>Chem-E-Car Competition</b> + Lunch in poster area		
12:30 <b>Chem-E-Car Safety Inspection</b> (only for students)			
13:00 <b>Workshop W3:</b> How to write a successful CV. Laura Escabias. AstraZeneca	17:00 WCCE10 Welcome and plenary lecture		
13:30 <b>Chem. Eng. Quiz</b>	18:30 WCCE10 Welcome Reception + Students Award Ceremony		
14:00 <b>Tours in Barcelona</b>			
14:30 <b>Networking student party</b>			



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## PhD. STUDENT PROGRAM



## WORKSHOPS

***Writing a high quality paper + meet the editors***

WILEY



***Creating a spin-off. Challenges and opportunities.***

Round table.

***International mobility research programs  
for young researchers.***

Jesus Esteban. Birmingham University.



## SOCIAL PROGRAM

PhD. STUDENT MIXER PARTY:



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



10th World Congress  
OF CHEMICAL  
ENGINEERING

11th European Congress  
OF CHEMICAL  
ENGINEERING

12th European Congress  
OF APPLIED  
BIOTECHNOLOGY

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

SUNDAY, OCTOBER 1 <sup>ST</sup>	MONDAY, OCTOBER 2 <sup>ND</sup>	TUESDAY, OCTOBER 3 <sup>RD</sup>	WEDNESDAY, OCTOBER 4 <sup>TH</sup>	THURSDAY, OCTOBER 5 <sup>TH</sup>
g Ceremony	<u>PhD. Workshop 1:</u> Writing a paper. Elsevier	<u>PhD. Workshop 2:</u> Launching a spin-off. Challenges and opportunities.	<u>PhD. Workshop 3:</u> PhD. Mobility and post-doc programs. Jesus Esteban	
		<u>PhD. Mixer Party</u>		

**Schedule to be determined**