The EFCE CAPE-Working Party announces:

**ESCAPE-27** Barcelona October 1\(^{st}\) - 5\(^{th}\) 2017

European Symposium on Computer-Aided Process Engineering

A unique opportunity to exploit new synergies to:

- Disseminate the **possibilities of CAPE/PSE** approaches to other scientific communities
- Find **new opportunities** and application fields
- Increase your **CAPE visibility**
- Promote **Scientific/Industrial Symbiosis**

See all the information on:

- Themes
- Important dates
- Abstract Submission

www.wcce10.org/jointevents/ESCAPE27

Selected papers will be published in a special issue of “Computers and Chemical Engineering” and “Industrial & Engineering Chemistry Research” Journals

See you in Barcelona 2017!

Organized by EFCE-Spain Group:
The organising committee is gearing up for an exciting and informative conference programme including plenary and keynote sessions, oral and poster presentations on a variety of topics, and not forgetting exciting social program for participants from all around the world.

Join us for Great Scientific and Technical Summit in a Great location

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### 8 Scientific Scope tracks

1. **Modeling and simulation**
   - New models, new applications
   - Metamodelling, Multi-scale modeling
   - Environmental/social/risk models

2. **Synthesis and Design**
   - Process/Supply Chain Synthesis and Design
   - Advanced Materials - Product Design.
   - Process Intensification.
   - Micro and nano applications.

3. **Planning and Scheduling**
   - Process/Supply Chain Planning, EWO
   - Process/Supply Chain Planning Scheduling

4. **Process monitoring and control**
   - Process Monitoring,
   - Process Control
   - Fault Detection and Diagnosis

5. **Integrated/Holistic approaches**
   - Integrated Process and Product Synthesis/Design
   - Multi-scale / Non-hierarchical decision-making
   - Industrial Symbiosis.
   - Competitive / Multiparticipant decision support

6. **Concepts, Methods and Tools**
   - Advances in numerical methods
   - Multiobjective optimization
   - Uncertainty and Risk Management
   - Big Data management, methods and tools.
   - The Industrial Internet of Things
   - Data-Information-Knowledge paradigm

7. **CAPE applications addressing Global Grand Challenges**
   - Energy Systems
   - Carbon Mitigation
   - Water Management
   - Food SC (including Nitrogen cycle,…)
   - Health, medicine and pharma Engineering
   - Urban processes and systems
   - Bio-engineering applications

8. **CAPE/PSE Education/Training**

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### Important dates

- **Abstract Submission**: 31 Oct. 2016
- **Invitation of submission of full manuscript**: 01 Dec. 2016
- **Full Manuscript Submission**: 28 Feb. 2017
- **Notification to Authors: Reviewer Comments**: 03 April 2017
- **Revised Manuscript Submission**: 14 April 2017
- **Notification of Acceptance & Presentation Form**: 02 May 2017
- **Copyright Transfer**: 15 May 2017
- **Preliminary Program**: 30 June 2017
- **Conference**: 1-5 Oct. 2017