Scientific Themes

**Theme 1: Modelling and Simulation**
New modelling approaches, Metamodelling, Multi-scale modelling, Environmental/Social/Risk models, New industrial applications.

**Theme 2: Synthesis and Design**

**Theme 3: Process control and operations**
Scheduling, operability, Flexibility and optimization under uncertainty, Supply-chains optimization and logistics, Real-time optimization, Nonlinear Model Predictive Control

**Theme 4: CAPE in Sustainable Energy Applications**
Heat and power integration, Waste-to-energy applications, Renewable resources in total-site integration, Integration of energy sources & sinks, Reliable dynamic supply & demand

**Theme 5: Bioresources, Bioprocesses and Biomedical Systems**
Biorefineries, Biomolecular and genetic Engineering, Bioreactors applications

**Theme 6: Internet of Things**
Cloud application, Digitalization of chemical processes, Industry 4.0

**Theme 7: Concepts, Methods and Tools**
Advances in numerical methods, Global Mixed-Integer Optimization, Multiobjective optimization, Decision Making under Uncertainty and Risk Management, Big Data Management, methods and tools

**Theme 8: Education in CAPE & knowledge transfer**
Best practices in academia, Continued training in a changing professional practice, Effective selling of high quality CAPE solutions to industry, Knowledge transfer hurdles, Effective exploitation of CAPE tools

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**Call for Abstracts and Papers**

Please visit: [https://www.aidic.it/escape30/abstract.php](https://www.aidic.it/escape30/abstract.php)

**Deadline for abstract submission:**
**July 31st, 2019**

**Deadline for paper submission**
**November 30th, 2019**

**Deadline for revised paper submission**
**February 10th, 2020**

**Publication Policy**

Accepted Papers presented at the conference will be published following usual ESCAPE policies. Specifically, the conference proceedings will be published by Elsevier in a new volume of Elsevier’s *Computer Aided Chemical Engineering* book series.

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**Registration**

Early bird registration deadline is **February 15th, 2020**

Submission and registration are handled via [https://www.escape30.it](https://www.escape30.it)
Program

- The Technical Program will flow through parallel sessions presenting accepted lectures.
- Posters will be displayed electronically in proper Touch Screens during four Posters Sessions.

Five Plenary lectures will be presented on emerging topics: out of them three will be:

**Francesco Rossi, USA**  
Applications of Chemical Engineering to Upstream Engineering

**Ana Paula Barbosa-Póvoa, Portugal**  
How to Design and Plan Sustainable Supply Chains

**Ruth Misener, UK**  
Mixing analytical and data-driven optimization: Application to the process industries

Exhibition

Spaces are available in Michelangelo Hotel for exhibition desks. A maximum surface that can be assigned to each booth is 3x2=6 m². If you wish to participate to the Exhibition Program, please contact the Secretariat for details.

Venue & Travel

The ESCAPE venue will be  
**Hotel Michelangelo**, Piazza Luigi di Savoia, 6, 20124 Milano  
**MAY 24-27, 2020**

Milano is a worldwide known city with plenty of facilities and international connections.  
The venue is just in front of the Main Railways Station and of the Bus Terminal to all the airports.

Contact

Please visit our website www.escape30.it.  
For further information send an e-mail to  
Gaia Tornone (Secretary)  
escape30@aedic.it

Organizing Committee

The national organizing committee consists of:  
Giorgio Veronesi (co-Chair)  
Giulia Bozzano (co-Chair)  
Davide Manca (co-Chair)  
Raffaella Damerio  
Manuela Licciardello  
Elisa Pisati  
Gaia Tornone

Sponsors

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If you wish to participate to the Sponsorship Program of the Congresses, please contact the [Secretariat](#) for details.