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All correspondence should be addressed to:

**AIDIC** ESCAPE20 Secretariat

Attn. Raffaella DAMERIO

Via Giuseppe Colombo 81/A - 20133 Milano (Italy)

Phone: +39-02-70608276

Fax: +39-02-59610042

e-mail: [escape20@aidic.it](mailto:escape20@aidic.it)



An Event of the CAPE Working Party  
EVENT Nr. 685

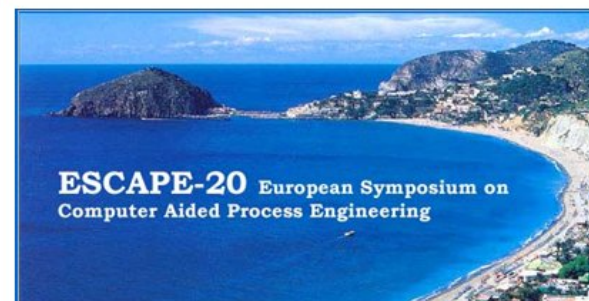
# ESCAPE 20

[www.aidic.it/escape20](http://www.aidic.it/escape20)

Promoted & Organized by

**AIDIC**

The Italian Association of Chemical Engineering



**ESCAPE-20** European Symposium on  
Computer Aided Process Engineering

6-9 June 2010

Ischia, Naples, Italy



# CALL FOR PAPERS

## About ESCAPE series

ESCAPE-20 is the 43<sup>rd</sup> event of the CAPE Working Party, which will be held in Ischia, Italy from June 6 to 9, 2010.

The most recent symposia were organized in Romania, Bucharest 2007 (ESCAPE 17), France, Lyon 2008 (ESCAPE-18) and Poland, Cracow 2009 (ESCAPE-19). ESCAPE-20 is organized by AIDIC, the Italian Association of Chemical Engineering, a member society of the European Federation of Chemical Engineering.

The series serves as a forum for engineers, scientists, researchers, managers and students from academia and industry to present and discuss progress being made in the area of CAPE. CAPE refers to computer-aided methods, algorithms and techniques related to process and product engineering.

The ESCAPE-20 scientific program reflects strategic complementary objectives of the CAPE Working Party: to check the status of historically consolidated topics by means of their industrial application and to evaluate their emerging issues. New windows will be open to the CAPE audience by inviting adjacent research areas to co-operate in the creation of the technical program.

## Format & Topics

The whole set of themes for ESCAPE-20 cover the usual scope of ESCAPE conferences, from off-line design to on-line systems, including numerical and computational methods, integrated and multiscale modelling and new opportunities. ESCAPE-20 will include a rich programme of guest speeches and keynote talks from leaders in science and industry.

### 1- Fundamental in Computational & Numerical methods

Software Architectures and Computing Frameworks for CAPE

Parallel, Distributed and Grid Applications

Large Scale Systems: Algebraic, DAE, PDAE

Nonlinear, Mixed-Integer, Stochastic Programming

Multi-Objective, Multiperiod, Global Optimization

### 2- CAPE and Society

Loss prevention

Safety promotion

Sustainability

Environmental protection

Energy saving

Emission detections: odour, noises, particulate matter

### 3- Off-line Systems

Integrated Product and Process Design

Integrated multi scale Modelling and Simulation

Process intensification and costs reduction

Business decision support and business globalisation

### 4- On-line Systems

Optimization and Optimal Process Control and Operations

Process Dynamics

Industrial Applications and Case Studies

### 5- CAPE and new opportunities

System Biology and Biological Processes

Food processing

Material processes

Climate changes

Human life cycle

## Abstract submission

All papers will be submitted online. Abstracts with approximately 500 words written in English should contain title, authors, affiliations, address, keywords and the preferred theme.

**The deadline is July 15<sup>th</sup>, 2009**

[www.aidic.it/escape20](http://www.aidic.it/escape20)

Abstracts will be reviewed and selected by the Scientific Committee. On notification of acceptance, authors will be asked to submit a paper, which will be fully refereed. The final decision will be taken on the basis of the full paper.

## Publication Policy

All accepted papers will be published by Elsevier in Computer Aided Chemical Engineering volumes. These proceedings will be distributed to all conference participants at the conference site. Extended versions of selected papers will also be

published in a special issue of *Computers and Chemical Engineering* after the conference.

## Deadlines

**July 15<sup>th</sup>, 2009**

Submission of one-page abstract

**September 15<sup>th</sup>, 2009**

Invitation to submit full paper

**November 15<sup>th</sup>, 2009**

Submission of full paper

**January 15<sup>th</sup>, 2010**

Acceptance notification

**February 15<sup>th</sup>, 2010**

Submission of final version

**February 15<sup>th</sup>, 2010**

Registration deadline for presenters to have the paper included in the programme and proceedings

## Venue

**ESCAPE20** Conference will be held at

Hotel Continental Terme\*\*\*\*

Via Michele Mazzella, 74

80077 Ischia, Naples, Italy



Ischia is famous all over the world and doesn't need presentations. This island has many thermo-mineral springs, known for their curative effects since the VII century b. C., because of its volcanic origin. An interesting thermal water basin is situated on the axis connecting the extinct volcano of Fiaiano with the "Fishermen's Beach" at Ischia Ponte. Right in this area, in the locality known as "Fondo Bosso", is Hotel Continental Terme.