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SELECTED PAPERS OF
**THE ELEVENTH INTERNATIONAL CONFERENCE ON
CHEMICAL AND PROCESS ENGINEERING**

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**THE ELEVENTH INTERNATIONAL CONFERENCE ON CHEMICAL
AND PROCESS ENGINEERING**

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ICheaP-11, 2-5 June, 2013, Milan, Italy

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PREFACE

This volume contains the full length version of papers selected among those ones presented at ICheaP-11 Conference, held in Milan, Italy, on 2-5 June, 2013.

ICheaP-11 is the eleventh event in a series of biannual events started in 1993 with "the first Italian Conference on Chemical and Process Engineering" organized by AIDIC, the Italian Association of Chemical Engineering.

It aims to exchange up-to-the minute information on industrial needs, new technology developments and research opportunities. Again, as at previous events of the series, ICheaP attracted leading Industrialists and Academics from all over the world and provided a state of the art on Chemical and Process Engineering. Conference Participation confirmed the more and more International character and appeal reached by ICheaP-Series and demonstrated the need for having a permanent forum and record of International R&D activities.

ICheaP-11 attracted 742 abstracts authored by 2020 authors from 65 different countries; out of 742 paper proposals only 389 (52%) have been finally accepted for inclusion into the technical program: 225 were presented as lectures while 164 as posters.

The papers cover 12 different subjects

ICheaP-11 topics

REACTION ENGINEERING

PARTICLE TECHNOLOGY

ENVIRONMENT, SAFETY, ENERGY, QUALITY

NANOTECHNOLOGY

FOOD

BIOTECHNOLOGY

PROCESS SYSTEM ENGINEERING

SEPARATION TECHNOLOGY AND TRANSFER

FLUID MECHANICS AND TRANSPORT PHENOMENA

PROCESS INDUSTRY

PRODUCTION AND PROPERTIES OF MATERIALS

THERMODYNAMICS AND INTERFACIAL PHENOMENA

AIDIC hopes that the publication of this volume will serve as valuable reference document to the scientific and industrial community and that will contribute to the progress in Chemical Engineering.

Sauro Pierucci
(ICheaP-11 Chair)

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