15th - 19th	September	2019
	Florence	Italy

12th European Congress of Chemical Engineering



5th European Congress of Applied Biotechnology

ECAB 5



<u>A Renaissance</u> in Chemical Engineering

www.ecce12-ecab5.org



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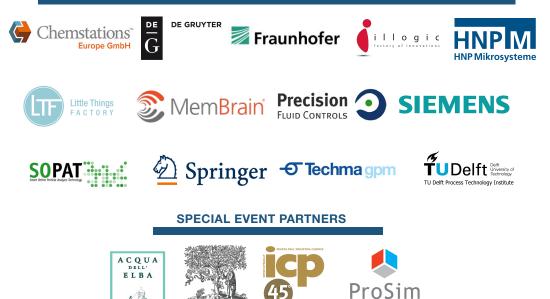


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EXHIBITORS



ELSEVIER Organized by **AIDIC** The Italian Association of Chemical Engineering

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ABSTRACT SUBMISSION FOR POSTER PRESENTATIONS ONLY

REGULAR TOPICS SESSIONS MAIN TOPICS

ECCE 12

Sustainable processes

Particle technology

Production properties and technology of new materials

Nanotechnology

Separation technology and heat & mass transfer

Thermodynamics and interfacial phenomena

Fluid mechanics and transport phenomena

Multiphase systems

Membrane Engineering: Energy from salinity gradients Hybrid artificial organs

Industrial electrochemistry

Process sysyem engineering

Chemical reaction engineering

Biomass

Food engineering

Energy and chemical engineering

Environment safety & quality

Quality assurance control & management systems

Knowledge education & training

ECAB 5

Advanced and innovative technology in industrial bio-production, bio-separation and bio-detection (biosensors)

Bioenergy biofuel & renewables bioresources biorefinert and biomaterials (bio-active compounds biofuels fine chemicals)

Biocatalysis (future microbes and enzymes)

Novel processing (e.g. microbial fuel cells) downstream processing

From small to large (nanobiotechnology scale-up/scale down large-scale production)

Systems biotechnology and metabolic engineering

Protein and enzyme stability

Environmental biotechnology

Biofilms in industry and biomedicine

Chemical product design and bioproducts bioeconomy

Bioreactor performance

Downstream processing

Food bioprocessing

Microalge bioengineering

Modelling monitoring measurement & control

Regenenerative medicine manufacturing



CONGRESS VENUE

Congress Center Firenze Fiera Piazza Adua 1. Florence - Italy

The conference center is hosted in Fortezza da Basso, a Fortress masterpiece of Renaissance Architecture designed by Antonio Sangallo and built in 1534-1536 for Alessandro de' Medici.

REGISTRATION DESK OPENING TIMES

Sunday 15th	from 5:00 pm to 7:30 pm	
Monday 16th	from 8:00 am to 5:30 pm	
Tuesday 17th	from 8:30 am to 12:30 pm	
Wednesday 18th	from 8:30 am to 12:30 pm	
Thursday 19th	from 8:30 am to 12:30 pm	



PROGRAMME HIGHLIGHTS

ECCE12 & ECAB5 joint events are four days congresses with parallel sessions, plenary lectures and poster sessions.

SUNDAY September 15 [™]	WELCOME RECEPTION	from 6:30 pm	
MONDAY	OPENING	8:30 am	
September 16 [™]	PLENARY & Scott Fogle	Q Scott Fogler and Flavio Manenti	
TUESDAY September 17™	PLENARY Q Klavs F. Je	Klavs F. Jensen and Juergen Pleiss	
WEDNESDAY GALA	GALA DINNER	8:30 pm	
September 18 [™]	PLENARY 🔮 Marinke V	Nijngaard and Inmaculada Ortiz	
THURSDAY September 19 [™]	VISIT TO THE BHGE FLORE	ENCE SHOP 3:00 pm	



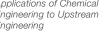
SCOTT FOGLER USA

Applications of Chemical Engineering to Upstream Engineering



ITAI Y Perspectives for CO2 Utilization







MARINKE WIJNGAARD NETHERI ANDS Chemical recvcling of complex plastics



KLAVS F. JENSEN

Advancing Chemical Development through Process Intensification, Automation, and Machine Learning



