



*19-22 June 2016, Giardini Naxos,*

*Taormina, Sicily, Italy*

[www.aidic.it/iconbm2016](http://www.aidic.it/iconbm2016)

Welcome to IConBM2016 from the  
International Scientific Committee

In a future, low-carbon economy, bioenergy is expected to play a significant role; it could contribute substantially to the global energy supply and would thus be a potential cornerstone for a society independent of fossil fuels.

Regarding this long-term goal, many countries invest resources and set up ambitious strategies towards the achievement of a large share of renewable energy target. Predictions can be found that energy from biomass shall increase substantially in the next years so that biomass use, at least for power generation, could double compared to 2010.

However, research activities still face a long list of highly important and pending challenges including the following questions:

How should processes be effectively designed and accommodated into a sustainable grid and power supply that includes wind, geothermal, hydroelectric and solar energy?

How should agricultural resources be used in a sustainable and ethical way to avoid negative consequences such as scarcity of food, another global challenge?

Can we demonstrate that biomass is a secure and sufficient supply of energy for the future?

Can urban biowaste be treated so that we may convince the community to more efficient recycling? Is biowaste bound to become more important than biomass?

Will the conversion from biomass to bioenergy, biofuel or bio-product really achieve a substantial reduction of greenhouse gas emissions?

On behalf of The Italian Association of Chemical Engineering, we most warmly welcome the 2<sup>nd</sup> International Congress on Biomass, 19-22 June, 2016, in Taormina, Italy.

We are looking forward to open this world-class event and to share with you the presentations of the latest key innovations within sustainable bioenergy.

technologies and solutions.

prof. Eliseo Ranzi, Politecnico di Milano  
prof. Katharina Kohse- Höinghaus, University of Bielefeld, pres. of Combustion  
Institute, Germany  
(ICONBM2016 Scientific Committee Chairmen)

## Venue

**IconBM2016** will be held at  
ATAHOTELS Naxos Beach  
Via Recanati, 26 - 98035 Giardini Naxos-Taormina (Messina), Sicily



**The Atahotel Naxos Beach** is a tourist complex **perfectly inserted in Giardini Naxos**, one of the most beautiful sea resorts of the eastern coast of Sicily. The Atahotel Naxos Beach has been **built over an area of 14 hectares dominated by the imperious Etna Volcano** and shading off to the sea.

The whole complex is surrounded by **a huge park of citrus fruits, olive groves and many kinds of flowers**. **The 189 rooms** of the Hotel Naxos Beach (main building), the 453 rooms of the Villas Naxos Beach, harmoniously inserted in this luxurious vegetation, offer a total capacity of 642 rooms, and a large open-air car-park which is easily reachable.

The hotel is about 50 km from airport Catania Fontanarossa

## Format & Topics

The technical program (plenary, lectures and posters) will be structured into parallel sessions.

The preliminary time table includes registration and welcome on Sunday afternoon, and from Monday to Wednesday, paper presentations.

The conference is intended to cover four main and critical themes: Conversion Analysis, Processes, Resources and Policies.

### Theme 1: Biomass Conversion Analysis:

- Solid biofuel combustion at different scales of application
- Pyrolysis, torrefaction, carbonization and char production
- Gasification for syngas production and power
- Bio from digestion
- Lignocellulosic ethanol, biomass fermentation
- Bio to (combined) refineries
- Biofuel kinetics and pollutant formation

### Theme 2: Biomass Processes

- Production of solid biofuels and feedstock characterization
- Biodiesel, jet fuel production from oil-based fuels and chemicals from syngas
- Technologies for feedstock supply: chipping, pelletizing, briquetting..
- Innovative processes from waste

### Theme 3: Biomass Resources

- Innovative use of wastes
- Residue from agriculture and harvesting
- Algae cultivation and supply chain
- Biomass from dedicated bioenergy crops

### Theme 4: Biomass Policies

- Life cycle and supply chain
- Sustainability and impact on environment
- Agricultural global planning and intensification
- Support programmes and strategic goals

## Abstract submission

Authors wishing to present a contribution are asked to prepare maximum one page abstract to be submitted online [www.aidic.it/iconbm2016](http://www.aidic.it/iconbm2016)

**Deadline is October 20<sup>th</sup>, 2015**

For each accepted abstracts, the full paper will be published into the CET proceedings, and a registration fee is required.

## Publication Policy

The full set of accepted papers of IConBM2016 Conference (in the form of 6 pages short papers) will be published in CET "Chemical Engineering Transactions".

The quality of this publication is valued by ISBN & ISSN numbers, referenced by SCOPUS and THOMSON REUTERS (ISI Web of Knowledge, conference proceedings) citation indexes.

A DOI number is also assigned to each published paper.

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Each Paper is evaluated for acceptance by at least three peer reviewers.

## International Scientific Committee

### Chairmen

Ranzi	Eliseo	Italy
Kohse-Höinghaus	Katharina	Germany

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## Organizing Committee

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Pierucci	Sauro	<i>AIDIC, Italy</i>

## Deadlines

2015 October 20<sup>th</sup>, Abstract submission

2015 October 30<sup>th</sup>, Information to authors on abstract acceptance

2015 December 14<sup>th</sup>, Submission of camera-ready manuscript for refereeing

2016 February 14<sup>th</sup>, Information to authors on final paper acceptance and format of presentation

2016 March 14<sup>th</sup>, Registration deadline for authors to have the paper included in the program and proceedings

2016 March 14<sup>th</sup>, Last day for submission of eventually revised manuscript



## Contact

All the correspondence should be addressed to



Secretariat

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## Accommodation

Participants have to make hotel reservation by themselves.

Details will follow on IConBM2016 website by the beginning of 2016.

## Exhibitor & Sponsor

Companies and organizations willing to support the Conference are invited to contact the Secretariat for further information. Participants from industry are welcome.