

## *Invitation & call for papers to IConBM*



## *International Congress on BIOMASS*

*4-7 May 2014, Florence, Italy*

**Promoted and Organized by**

The Italian Association of Chemical Engineering



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

## Welcome to IConBM from the International Scientific Committee

In a future, low carbon economy and bioenergy can play a significant role and contribute substantially to the global energy supply and to a Society entirely independent of fossil fuels as programmed by 2050. Within this scope many Countries invest resources and set up ambitious strategies towards the achievement of the large share of the 20% renewable energy target by 2020.

Many experts predict that energy from biomass shall increase in the next years by 66%, meaning that biomass use ( at least for electricity production) will double compared to 2010.

However a long list of utmost important and pending challenges is still evident and facing the Research Activity:

How processes are effectively designed, how they properly fit into a grid of sustainable power supply that includes wind, geo, hydro and solar.

How we should use our agricultural resources in a sustainable and ethical way avoiding a negative impact on another global challenge such as scarcity of food.

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

Are we able to treat urban biowaste so that we may convince the community to a more efficient recycling? Is Biowaste bound to become more important than Biomass in a continuously increasing developed society ?

Is the conversion from biomass to bioenergy, biofuel or bio-product achieving a real reduction of greenhouse gas emissions ?

On behalf of The Italian Association of Chemical Engineering, we most warmly welcome the International Congress on Biomass, 4-7 May, 2014 Florence 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

(ICONBM Scientific Committee Chairmen)

## Venue

IConBM will be held at  
Palazzo degli Affari  
Piazza Adua 1, 50123 Firenze  
[www.firenzefiera.it](http://www.firenzefiera.it)



The exhibition and congress facilities of Firenze Fiera spa are among the most important and best equipped in Italy and they are located in the historical center of Florence. Florence International Airport "Amerigo Vespucci" is located 4 km from Florence city center. Santa Maria Novella Central Station: 80/100 metres from Palazzo degli Affari.

## 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, 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, Carbonisation 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 fuels production from oil-based fuels and chemicals from Syngas
- Technologies for feedstock supply: chipping, pelletising, briquetting..
- Innovative processes from waste

### Theme 3: Biomass Resources

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

### Theme 4: Biomass Policies

- Life cycle and supply chain
- Sustainability and impact with 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/iconbm](http://www.aidic.it/iconbm)

**deadline is September 30<sup>th</sup>, 2013**

For each accepted abstracts the submission of a full paper is required.

For each paper published into the CET proceedings, a fee is required.

## Publication Policy

The full set of accepted papers of IConBM Conference (in the form of 6 pages short papers) will be published into 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.

## Deadlines

**2013 September 30<sup>th</sup>**, Abstract Submission

**2013 October 30<sup>th</sup>**, Information to Authors on abstract acceptance

**2013 December 14<sup>th</sup>**, Submission of camera ready manuscript for refereeing

**2014 February 14<sup>th</sup>**, Information to Authors on final paper acceptance and format of presentation

**2014 March 14<sup>th</sup>**, Registration deadline for Authors to have the paper included in the program and proceedings

**2014 March 14<sup>th</sup>**, Last day for submission of eventually revised manuscript

## International Scientific Committee

### Chairmen

Ranzi	Eliseo	Italy
Kohse-Höinghaus	Katharina	Germany

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## Contact Information

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## Accommodation & Social program

Participants have to make hotel reservation by themselves.

Details will follow on IConBM website by the beginning of 2014



## Exhibitor & Sponsor

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