

REVIEW PROCEDURE

Papers will be presented in plenary, oral and poster sessions and all presented papers will be published in the Proceedings. Authors wishing to submit a contribution should read the following instructions carefully and send an abstract by using the Online Submission Form on www.conference-biomass.com by 31 January 2011.

The abstract, single spaced and in English, should include:

- Applicable subject number (1 to 5) and subsection (e.g. 1.2)
- Full title
- Full name and address of one author for all correspondence
- For each author and co-authors, full name, affiliation, address, phone/fax/e-mail
- Purpose of the work
- Approach
- Scientific innovation and relevance
- Results
- Conclusions

The abstract should be one full page (size A4, 210 x 297 mm) plus 1 to 3 explanatory pages, which will facilitate the reviewers' assessment. Each abstract will be reviewed by several independent experts from the global Biomass Community.

DEADLINE FOR RECEIPT OF ABSTRACTS: 31 January 2011

Only contributions complying with the above specifications will be considered. Please send one copy of this complete information (abstract plus 1 to 3 explanatory pages) as a *.pdf file by using the Online Submission Form on www.conference-biomass.com.

For questions concerning abstract submission please contact:

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All authors will be notified of the decision of the Programme Committee. Authors of accepted abstracts will receive special guidelines for the preparation of the final papers for the Proceedings.

NEWS FOR AUTHORS

Peer Review: A selected number of submitted papers will be invited for a Peer Review Process for publication in a renowned scientific journal.

EU BC&E Student Awards: To encourage high-quality work amongst young researchers, the EU BC&E Student Awards will be given on the occasion of the 19th EU BC&E in recognition of outstanding students research in the field of biomass.

Citability of papers: All submitted final papers of plenary, oral and visual presentations will be published online and coded by a digital identifier (DOI code) provided by the German National Library of Science and Technology. This guarantees an unequivocal and permanent identification and citability of all papers of the Conference Proceedings.

Where Biomass Science Meets Industrial Application

Institutional support:

European Commission
German Federal Ministry for the Environment,
Nature Conservation and Nuclear Safety
UNESCO - United Nations Educational, Scientific
and Cultural Organization, Natural Sciences Sector
WCRE - World Council for Renewable Energy
EUBIA - European Biomass Industry Association
German programme Biomass energy use

Coordination of the Technical Programme:

European Commission DG Joint Research Centre

Realized by:

WIP-Renewable Energies

International cooperation:

ETA-Florence Renewable Energies



FURTHER INFORMATION:

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Final Call for Papers

abstracts to be submitted by 31 January 2011

19th European Biomass Conference and Exhibition

From Research to Industry and Markets

ICC Berlin
International Congress Center
Berlin - Germany

Conference 6-10 June 2011

Exhibition 6-9 June 2011

Conference General Chairman:

Prof. Dr.-Ing. Martin Faulstich
Technische Universität München
Director Science Center Straubing

Coordination of the Technical Programme:

Dr. H. Ossenbrink, D. Baxter, J.-F. Dallemand
European Commission
DG Joint Research Centre

Realization and International Cooperation:

WIP-Renewable Energies
ETA-Florence Renewable Energies

PROGRAMME

The international science and technology Conference of the 19th EU BC&E is the leading Conference in the field of Biomass comprising more than 800 presentations in plenary, oral and visual sessions. In addition, the 19th EU BC&E will attract additional attendance by global decision makers through a range of special events, among which will be:

- The Biomass Industry Leaders Forum will bring together representatives of companies active in the biomass sector, to discuss the most current developments regarding biomass mobilization and supply strategies, the implications of new biofuel sustainability criteria in practice, new perspectives arising from innovative technologies such as torrefaction, and funding of bioenergy projects. The Forum will be organized with the support of EUBIA, the European Biomass Industry Association.
- Special events that will highlight last development and possibilities for algae and next generation biofuels
- Workshops on biomass sustainability and land use related issues
- Meeting facilities for business to business discussions

CONFERENCE SUBJECTS

SUBJECT 1: BIOMASS RESOURCES

1.1 Biomass potentials and cost of resources

Technical and logistical issues of biomass mobilization, environmental impact.

1.2 Biomass residues and by-products

Production, pretreatment and supply of feedstock from agriculture and forestry, animal residues, agro-industry and biodegradable fraction of Municipal Solid Waste (MSW) streams.

1.3 Energy crops

Research for new cultivars and techniques, cultivation, harvesting, pretreatment and logistics.

1.4 Algae and novel crops

Research for biofuels production, supply and logistics.

SUBJECT 2: BIOMASS CONVERSION TECHNOLOGIES FOR HEATING, ELECTRICITY AND CHEMICALS

2.1 Combustion for small and medium scale applications

Micro-generation technology, small boilers and stoves, steam and stirling engines, Organic Rankine Cycles, abatement of corrosion, reduction of sintering and emissions, auxiliary equipment, combined generation of power, heat and cooling.

2.2 Combustion for large utility

Co-firing plants, process monitoring, control systems, abatement of corrosion, pollutant abatement systems in power plants.

2.3 Gasification for power, CHP and polygeneration

Fundamentals and studies, technology development, gas cleaning, tar removal.

2.4 Gasification for synthesis gas production

Fundamentals and studies, technologies and reaction for syngas production, syngas cleaning from particles and inorganics.

2.5 Pyrolysis for power, CHP, polygeneration and chemicals

Fundamentals and studies, characterization and modelling of pyrolysis processes, catalytic upgrading, classical pyrolysis processes.

2.6 Biochemical conversion

Fermentation and enzymatic processes.

2.7 Biorefineries

Chemicals, materials and by-products.

2.8 Recycling of conversion residues

SUBJECT 3: PROCESSES FOR FUELS FROM BIOMASS

3.1 Production and supply of solid biofuels

Chips, pellets, briquettes, etc.

3.2 Torrefaction of biomass

Pretreatment technologies and processes.

3.3 Production and supply of first generation liquid biofuels

Processes based on starch, sugar feedstocks and oilseeds.

3.4 Production and supply of gaseous biofuels

Biogas, biomethane and bio-hydrogen.

3.5 Production and supply of second generation biofuels

Technologies and demonstration processes.



SUBJECT 4: TECHNOLOGY DEPLOYMENT AND INDUSTRIAL DEMONSTRATION

4.1 Biomass utilisation in the heat and CHP sector

Small scale residential heating, district heating, households, tertiary sector, recovery of process and waste heat.

4.2 Biomass utilisation in the electricity sector

Utility scale, distributed generation, dedicated bio-power plants.

4.3 Biofuels for transport

Blending, additives, distribution, logistics and utilisation, including aviation.

4.4 Bio-processes

Integration into existing industrial processes, e.g. oil-refining, plastic materials, etc.

4.5 Bio-based systems and related technologies

Investments, benefits and market forecasts.

SUBJECT 5: BIOMASS POLICIES, MARKETS AND SUSTAINABILITY

5.1 International bioenergy trade

Bioenergy commodities, trading and contracting, removing trading barriers, quality and standardization, long distance transports, externalities assessment.

5.2 Sustainability assessment and criteria

Life cycle analyses, certification schemes, support programmes, national and international standards, scientific monitoring.

5.3 Assessment of secondary effects of bioenergy

Indirect land change use (ILUC), agricultural intensification, agro-environmental assessment in temperate and tropical regions.

5.4 Financing of bioenergy projects

Venture capital, economics, opportunities and projects from Clean Development and Joint Implementation Mechanisms, national and international support measures.

5.5 International cooperation

Cooperation for supply security, knowledge and technology transfer, bioenergy for poverty reduction, rural development and energy security in developing countries.

5.6 Biomass strategies and policies

National, regional, local bioenergy strategies, biomass utilisation concepts for bioenergy and bio-products, National Renewable Energy Action Plans, integration of bioenergy with other renewable energies, support policies, public perception and acceptance.