



# TMFB

Tailor-Made Fuels from Biomass

## CALL FOR PAPERS

### 6. TMFB International Workshop and 1. International Conference

of the  
**Cluster of Excellence  
Tailor-Made Fuels from Biomass**

June 18<sup>th</sup> - 20<sup>th</sup>, 2013  
Novotel Aachen City, Aachen, Germany

**RWTH**AACHEN  
UNIVERSITY

## Call for Papers

The following topics will be addressed in separate sessions during the conference:

- Biomass Fractionation and Pre-treatment
- Enzymatic and Catalytic Biomass Processing
- Catalytic Synthesis and Conversion of Biomass-based Streams to Platform Molecules and Fuels
- (Bio-)refinery Process Optimization
- Injection, Ignition and Combustion of Biofuels
- Combustion Process and Exhaust Gas Aftertreatment Optimization of Biofuels

The conference aims to transport the successful interdisciplinary approach of TMFB to the public, enabling experts from different fields such as chemistry, biology, process and mechanical engineering to discuss common challenges and find promising solutions.

**We would therefore like to invite you to contribute to this conference with a presentation of your work in the above mentioned fields.** Please send in a 1-page summary of your topic to Florian Kremer ([kremer@vka.rwth-aachen.de](mailto:kremer@vka.rwth-aachen.de)). The deadline for the submission will be **January 31st, 2013**.

In case of any questions regarding the submission or the conference in general, please do not hesitate to contact the Cluster Office, more information on TMFB and the cluster office can be found on the following page.

### Confirmed Invited Speakes

The conference sessions will be completed by key note lectures from experts of all addressed disciplines:

- **Tom Welton**, Professor of Sustainable Chemistry, Imperial College London
- **Philip de Goey**, Chair for Combustion Technology, University of Eindhoven
- **Ion Marius Sivebæk**, Institute for Mechanical Engineering, Technical University of Denmark
- **Jens Nielsen**, Department of Chemical and Biological Engineering, Chalmers University of Technology
- **Charles Westbrook**, Lawrence Livermore National Laboratories, USA
- **Ulrich Kramer**, Ford GmbH, Research and Advanced Powertrain Engineering, Cologne

## **Information on the cluster of excellence Tailor-Made Fuels from Biomass**

In 2007, the cluster of excellence “**Tailor-Made Fuels from Biomass (TMFB)**” was established at RWTH Aachen University. Within this cluster chemists, biologists, chemical engineers and combustion engineers work hand in hand to develop and investigate completely new types of biofuels. This is done in an interdisciplinary approach: On the one hand the application of optimized synthesis processes and the development of new catalytic pathways aim to sustainably produce biomass-based synthetic fuels. On the other hand new combustion technologies are being developed to further optimize the energy conversion in the internal combustion engine and thereby reduce the dependency on fossil fuels. The long-term goal is to determine the optimal combination of fuel components and their production, which is based on renewable raw materials and new combustion processes.

Every year an "International Workshop" is hosted in Aachen to present the latest results and to strengthen the interdisciplinary research work of the cluster of excellence. In **2013**, for the first time, the workshop will be transformed into an **international conference, opening up the stage for experts from around the globe to present their work in the fields of synthesis, production and combustion of modern biofuels.**

**Contact:**

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