

**International Workshop on
“Clean Combustion: Principles and Applications”**

Welcome Hotel Darmstadt, 25./26. September 2019

First Announcement and Call for papers

Dear Colleagues,

on behalf of the organizing committee, it is a great pleasure for us to invite you to participate in the **International Workshop on “Clean Combustion: Principles and Applications”** (2019). It will take place in Darmstadt, Germany, from September 25-26, 2019.

Organized in the framework of the DFG Collaborative Research Centres *Turbulent, Chemically Reacting Multiphase Flows Near Walls* (SFB/Transregio 150) and *Oxyflame* (SFB/Transregio 129), on the occasion of his retirement this International Workshop is dedicated to Professor Johannes Janicka to honour and celebrate his fundamental, long lasting contributions to Turbulent Combustion Sciences and Modelling.

Focusing on bridging the gap between combustion principles and applications, the workshop aims at bringing together leading and worldwide recognized researchers to give talks and present posters at the cutting edge of combustion science and technology, to foster research, exchange and collaboration.

Pillars of the scientific programme will be invited keynote lectures given by renowned international speakers and a poster session. This programme will provide opportunity for researchers and specialists from academia and industry to present their most recent results, discuss new challenges and developments, and exchange ideas. Topics covered will include both theoretical, experimental and numerical studies related to various scientific and industrial fields with a particular focus on research areas covered by the Collaborative Research Centres, such as:

- Flame-wall interactions
- Oxyfuel and solid fuel combustion
- Fuel spray-wall interaction, film evaporation and deposition
- Exhaust after-treatment systems in automotive technology
- IC engine flow and heat transfer process
- Measurement techniques and diagnostics
- Combustion modelling and simulation
- Applications

Selected contributions will be suggested for publication in a Special Issue of the Journal *Flow, Turbulence and Combustion*.

Important deadlines:

Poster contributions are highly welcome!

Abstract submission (one page): May 25, 2019, send to sadiki@ekt.tu-darmstadt.de

Notification of Abstract acceptance: June 15, 2019

If you consider publication in the **Special Issue** we kindly ask to submit an extended abstract (up to 6 pages)

Submission extended abstract: July 25, 2019 send to sadiki@ekt.tu-darmstadt.de

Submission deadline to Special Issue *Flow, Turbulence and Combustion*: October 30, 2019

Workshop Website

https://www.trr150.tu-darmstadt.de/events_2/int_workshop_2019/announcement_conference_overview_topics/overview_1.de.jsp

Organising Committee

- Andreas Dreizler, TU Darmstadt
- Amsini Sadiki, TU Darmstadt
- Christian Hasse, TU Darmstadt
- Benjamin Böhm, TU Darmstadt