

3rd Heat Flux Burner Workshop

Thursday 25th of September 2014

after the

8th International Seminar on Flame Structure

Technical University of Berlin, Berlin, Germany

- 08:30 **Reception**
- 09:00 **Welcome – Overview of Activities**
P. de Goey and S. Voss
- 09:20 **Invited Lecture: Prof. Dr. Christian Hasse, NTFD, TU Bergakademie Freiberg, Germany**
How accurate measurements of laminar flames can help for the computation of multidimensional flames
- 10:20 **Coffee**
- 10:40 **Heat Flux method: Past, present and future**
M. Goswami, E.N. Volkov, P. de Goey; *Combustion Technology, TU Eindhoven, Netherlands*
- 11:05 **Effect of N₂/CO₂ dilution on laminar burning velocity of H₂-CO-O₂ oxy-fuel premixed flame**
W.B. Weng, Z.H. Wang; *Zhejiang University, 310027, Hangzhou, China*
- 11:30 **Laminar burning velocities of ethanol-water mixtures**
R. Haas-Wittmüß, R. Van Duren, R.T.E. Hermanns; *OWI GmbH, Affiliated Institute of RWTH Aachen*
- 11:55 **Measurement of laminar burning velocities of fuel-rich methane-oxygen mixtures**
C. Weis, M.M. Sentko, P. Habisreuther, N. Zarzalis, D. Trimis; *EBI-VBT, Karlsruhe Institute of Technology, Germany*
- 12:20 **Lunch**
- 13:30 **Invited Lecture: Joachim Beckmann, ITV, RWTH Aachen, Germany**
Optimization, understanding, and accuracy of the spherical vessel systems across Europe
- 14:30 **Coffee**
- 14:50 **Measurements and numerical study of laminar burning velocities of iso-butanol and ethanol blends**
F. Rau, S. Hartl, S. Voss, C. Hasse, D. Trimis; *IWTT, NTFD, TU Bergakademie Freiberg, Germany*
- 15:15 **Laminar burning velocities of C5 methyl esters**
E. J. K. Nilsson, A.A. Konnov; *Combustion Physics, Lund University, Lund, Sweden*
- 15:40 **Laminar burning velocities of alkanes at sub-atmospheric pressures**
P. A. Glaude, P. Dirrenberger, H. Le Gall, R. Bounaceur, F. Battin-Leclerc; *Laboratoire LRGP, Nancy, France*
- 16:05 **Closing Discussion**
P. de Goey, A. Konnov, R. Hermanns, S. Voss
- 16:30 **Networking Event**

Registration: <http://flame-structure-2014.com/registration/>

Information: <http://heatfluxburner.org>

Organizing committee: Prof. Philip de Goey, Prof. Alexander Konnov, Dr. Roy Hermanns, Dr. Stefan Voss