11th Heat Flow Calorimetry Symposium on Energetic Materials (HFCS-EM)

Announcement and first Call for Paper

Date: **13-16 May 2019**

Place: D-76318 Pfinztal, Germany

Deadline Abstracts: **January 15, 2019**

Deadline Full papers: March 31, 2019

Pfinztal is situated in vicinity of Karlsruhe, which is easy to reach by plane and train.

Host: Fraunhofer Institute for Chemical Technology (ICT), D-76318 Pfinztal, Germany.

Conference Co-Chair: Dr. Manfred A. Bohn (Manfred.Bohn@ict.fraunhofer.de)
Moritz Heil (Moritz.Heil@ict.fraunhofer.de)

Topics of HFCS-EM

• Performance evaluation of energetic materials regarding chemical compatibility, stability, ageing and in-service time

• Decomposition kinetics of energetic materials – mechanisms, kinetic descriptions

• Modelling and simulation of thermal effects and hazards

• Use of heat flow / thermal behavior of energetic materials / chemicals in design and manufacturing

• Safety assessment of energetic materials or decomposing chemicals using heat flow techniques

• Testing – measurements and assessment procedures

• Other thermal methods (DSC, ARC, reaction calorimeter), combination of thermal and non-thermal methods

• Instrumental improvements and innovations

• Regulations and standards regarding heat flow methods

Participants typically stay in a hotel in Karlsruhe. Organized daily transportation from Karlsruhe to the institute and back. The Symposium starts on Monday at later afternoon with registration and reception in Karlsruhe in a major hotel. Lecture and presentation days are Tuesday to Thursday. Details later. **Web-site is coming soon.**

Steering Committee Members:
Dr. Manfred A. Bohn, Fraunhofer ICT, Germany
Mr. Moritz Heil, Fraunhofer ICT, Germany
Dr. Michael Ramin, Nitrochemie, Switzerland
Mr. Wim de Klerk, TNO Defence, Security, Safety, The Netherlands
Ms. Helge Schimansky, Rheinmetall Denel Munition, South Africa
Dr. Sara K. Pliskin, NSWC Crane, USA
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