

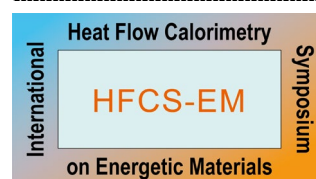
11th INTERNATIONAL HEAT FLOW CALORIMETRY SYMPOSIUM ON ENERGETIC MATERIALS

Announcement and second call for papers

SYMPOSIUM

13.-16. May 2019 ||

76327 Pfinztal, Germany



Deadline for abstracts: **January 15, 2019**

Deadline for full papers: **March 31, 2019**

Topics of HFCS-EM in 2019

- Performance evaluation of energetic materials regarding chemical compatibility, stability, aging and in-service time
- Decomposition kinetics of energetic materials or decomposing chemicals – mechanisms, kinetic descriptions
- Modelling and simulation of thermal effects and hazards
- Use of heat flow - thermal behavior or decomposing energetic 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 batch calorimeter, solution calorimeter, titration techniques, reaction flow calorimeter
- Special thermal techniques using heat flow as a determination of heat conductivity, heat capacity,...
- Combination with non-heat-flow methods to analyse heat flow processes (HFC and gas generation, FTIR, Raman, HPLC,...)
- Instrumental improvements and innovations on heat flow techniques such as calibration, performance, reproducibility,...
- Regulations and standards regarding heat flow methods

Participants typically stay in a hotel in Karlsruhe. Daily transportation is provided from Karlsruhe to the institute and back.

The symposium starts on Monday in the late afternoon with registration and a reception in Karlsruhe (at the Hotel Achat Plaza). Lecture and presentation days are Tuesday to Thursday. All other information is provided on the website.

www.ict.fraunhofer.de/hfcs2019

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Steering Committee Members

- Dr. Manfred A. Bohn, Fraunhofer ICT, Germany
- Mr. Moritz Heil, Fraunhofer ICT, Germany
- Dr. Michael Ramin, Nitrochemie Wimmis, 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
- Dr. Ryan Ubelhor, NSWC Crane, USA
- Ms. Terhi Meriläinen, FDRA, Finland
- Mr. Alan Macdonald, AWE, UK
- Dr. Ruth Tunnell, QINETIQ, UK
- Dr. Alain Dejeaifve, PB Clermont, Belgium