



Fraunhofer
ICT

Energetic Materials – Exploring and Understanding

**51st International Annual Conference
of the Fraunhofer ICT**

**June 28 - July 1, 2022
Karlsruhe, Germany**

51st International Annual Conference of the Fraunhofer ICT

International Annual Conferences of the Fraunhofer ICT, with a different emphasis each year, cover scientific and technological progress in the entire field of energetic materials and the related disciplines. Held annually for over 50 years, the conferences have gained worldwide importance, with hundreds of participants from more than 30 nations each year.

Energetic Materials – Exploring and Understanding

For decades, energetic materials have been the subject of R & D in many areas including synthesis, processing and characterization. Established materials – which have been in service for years – are understood in more detail and new materials with special properties are sought and discovered. For this both well-known methods and upcoming techniques such as data mining or novel experimental technologies are important.

The 51st International Annual Conference of the Fraunhofer ICT addresses the full R & D spectrum, from better understanding, improved processing and new formulations to the synthesis of novel compounds, providing both in-depth knowledge and alternative perspectives.

Scientists participating in this conference have the opportunity to present their results and discuss them with their peers, to learn about the needs of the armed forces and to contribute their ideas for the future of energetic materials.

Chairman of the Conference
Dr. Moritz Heil
Fraunhofer ICT, Pfinztal, Germany

Announcement and Call for Papers

The Fraunhofer Institute for Chemical Technology is holding its 51st International Annual Conference on:

Energetic Materials – Exploring and Understanding

Main topics

- New energetic materials
- Synthesis and processing
- New experimental and data-driven methods
- Simulation and modelling

Presentation

Contributions to the conference can take the form of oral presentations (presentation time 20 minutes including discussion) or posters. Please submit an extended abstract not exceeding 500 words with optional figures and tables together with the exact title and name of the author(s). The papers will be published in the Conference Proceedings which will be available at the beginning of the event. Guidelines on how to prepare the text for publication will be sent to the authors.

Conference language

English

Deadlines

Abstracts (to manuela.wolff@ict.fraunhofer.de)	Dec. 16, 2021
Reply to authors	February/March 2022
Full papers	April 2022
The program will be published in April 2022.	

The Fraunhofer Institute for Chemical Technology ICT

The Fraunhofer ICT with its 500 employees is the only German research institution working on the entire development chain, ranging from raw energetic material synthesis through to the development and evaluation of energetic prototype systems. The research is focused on the synthesis, development, characterization, simulation, modeling, formulation and manufacturing of rocket propellants, gun propellants, explosives, gas generators and pyrotechnics.

Fraunhofer ICT helps to ensure the strong analysis and decision-making capabilities of the German Federal Ministry of Defence (BMVg), and supports industrial R&D activities in Germany and Europe. The key to successful research and the development of improved energetic materials and systems is the long-standing competence of the institute's employees.

Today, Fraunhofer ICT carries out R & D on the performance, insensitivity, functionality, safety and environmental compatibility of new, tailor-made propellant and explosive systems.

Conference Management

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