Accommodation

Rooms have been reserved at several hotels at special rates for the participants of the 45th Freiburg Infrared Colloquium.

Please visit our website www.infrared-colloquium.de for details on hotel reservations. Reservation deadline may vary depending on the hotel.

With Support of











Organization and Venue

Freiburg Infrared Colloquium Fraunhofer IAF Tullastrasse 72 79108 Freiburg Germany

Phone +49 761 5159-800 Fax +49 761 5159-677 info@infrared-colloquium.de

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45th Freiburg Infrared Colloquium

Call for Papers

45th **Freiburg** MAY 16–17, 2023



All scenes recorded with a 320×256 dual-band eSWIR / MWIR camera by AIM capturing both reflective and thermal signatures, partly penetrating window glass.

45th Freiburg Infrared Colloquium

Welcome to the 45th Freiburg Infrared Colloquium, the scientific workshop on materials, physics, technology and applications of infrared lasers and detectors.

The 45th Freiburg Infrared Colloquium will be held as a two day workshop on May 16–17, 2023 at the Fraunhofer Institute for Applied Solid State Physics IAF in Freiburg, Germany.

Invited Speakers

Vincent Goiffon Sven Höfling Linda Höglund Chris Maxey Sergio Nicoletti Alberto Tosi Eric Tournié

ISAE SUPAERO, Toulouse, FRA
University of Würzburg, DEU
IRnova, Kista, SWE
Leonardo UK, Southampton, GBR
CEA-Leti, Grenoble, FRA
Politecnico di Milano, ITA
University of Montpellier, FRA



Important Dates

Abstract submission deadlineFebruary 12, 202Notification of acceptanceMarch 3, 202Conference registration deadlineApril 12, 202

Since only a limited number of participants can be accommodated, registrations will be accepted on a "first-come, first-in" basis.

Scope

Infrared laser and detector technology is key for the development of high-performance systems for defense, security and space applications. In addition to those traditional fields, the role of infrared lasers and detectors in areas like medical diagnostics, gas analysis, spectroscopy as well as material processing and testing is growing rapidly.

The Freiburg Infrared Colloquium brings together scientists, development engineers and users of infrared lasers and detectors. Topics cover physics and material science of infrared components as well as device fabrication and system aspects. To foster a lively exchange during the workshop, a poster session is scheduled for the first afternoon.

Abstract Submission

Authors are invited to submit an abstract until **February 12**, **2023** in PDF. When submitting your abstract by email please indicate whether you prefer an oral or a poster presentation. Abstracts are limited to two pages including figures. Title, author(s) and affiliation(s) must be included. A booklet with all accepted abstracts will be handed out to the participants at the workshop. Further details and templates can be found on **www.infrared-colloquium.de**.

Conference Chair

Robert Rehm

Fraunhofer IAF, Freiburg, DEU

Program Committee

Mikhail Belkin Walter Schottky Institute, TU München, DEU Philippe Christol University of Montpellier – IES, FRA AIM Infrarot-Module, Heilbronn, DEU Detlef Eich Lorenzo Faraone University of Western Australia, Crawley, AUS Peter Geiser NEO Monitors, Skedsmokorset, NOR Olivier Gravrand CEA-Leti, Grenoble, FRA Sven Höfling University of Würzburg, DEU Linda Höglund IRnova, Kista, SWE John-Mark Hopkins Fraunhofer CAP, Glasgow, GBR Márc Kelemen Coherent/ DILAS Diodenlaser, Freiburg, DEU Johannes Koeth nanoplus, Gerbrunn, DEU Military University of Technology, Warsaw, POL Piotr Martyniuk Kyriaki Minoglou European Space Agency ESTEC, Noordwijk, NLD Marcel Rattunde Fraunhofer IAF, Freiburg, DEU Isabelle Ribet ONERA – DOTA, Palaiseau, FRA Frank Rutz Fraunhofer IAF, Freiburg, DEU Olivier Saint-Pé Airbus Defence and Space, Toulouse, FRA Gottfried Strasser TU Wien, Inst. for Solid State Electronics, AUT Stephen Sweeney University of Surrey, Guildford, GBR Sebastian Teich Bundeswehr, WTD 81, Greding, DEU Hans Dieter Tholl Diehl Defence, Überlingen, DEU NASA Jet Propulsion Laboratory, Pasadena, USA David Ting Alberto Tosi Politecnico di Milano, ITA