

256x1 InGaAsSb eSWIR linear detector arrays
operable at room temperature

46th Freiburg Infrared Colloquium

Call for Papers

46th Freiburg
MARCH 18–19, 2025  Infrared
Colloquium

Welcome to the 46th Freiburg Infrared Colloquium, the scientific workshop on materials, physics, technology and applications of infrared lasers and detectors!

The 46th Freiburg Infrared Colloquium will be held as a two day workshop on March 18–19, 2025 at the Fraunhofer Institute for Applied Solid State Physics IAF in Freiburg, Germany.

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 **December 1, 2024** 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.

Further details and templates can be found on www.infrared-colloquium.de.

A booklet with all accepted abstracts will be handed out to the participants at the workshop.

Organization and Venue

Freiburg Infrared Colloquium
Fraunhofer IAF
Tullastrasse 72
79108 Freiburg
Germany
www.infrared-colloquium.de

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

Important Dates

Abstract submission deadline	December 1, 2024
Notification of acceptance	December 20, 2024
Conference registration deadline	February 14, 2025

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

Conference Chair

Robert Rehm

Fraunhofer IAF, Freiburg, DEU

Invited Speakers

Jérôme Faist

ETH Zürich, CHE

Michael Groenert

US Army, Aberdeen, USA

Philip Klipstein

SCD Semiconductor Devices, Haifa, ISR

Krishna Rao Linga

Sensors Unlimited, Princeton, USA

Goran Mashanovitch

University of Southampton, GBR

Leon Shterengas

Stony Brook University, USA

Carlo Sirtori

Lab. de Physique, l'Ecole Normale Supérieure, Paris, FRA

Program Committee

Mikhail Belkin

Walter Schottky Institute, TU München, DEU

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TU Wien, Inst. for Solid State Electronics, AUT

Stephen Sweeney

Univ. of Glasgow, James Watt School of Eng., GBR

Sebastian Teich

Bundeswehr, WTD 81, Greding, DEU

David Ting

NASA Jet Propulsion Laboratory, Pasadena, USA

Alberto Tosi

Politecnico di Milano, ITA

Accommodation

A block of rooms have been reserved at several hotels at special rates for the participants of the 46th Freiburg Infrared Colloquium.

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



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