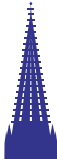


Stitched MWIR mosaic captured with IAF /
AIM's Ga-free T2SL camera (130 K)

47th Freiburg MARCH 16–17, 2027



Infrared Colloquium

47th Freiburg Infrared Colloquium

Call for Papers

Welcome to the 47th Freiburg Infrared Colloquium, the scientific workshop on materials, physics, technology and applications of infrared lasers and detectors! The 47th Freiburg Infrared Colloquium will be held as a two day workshop on March 16–17, 2027 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 **November 27, 2026** 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 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
infrared-colloquium.de

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

Important Dates

Abstract submission deadline	November 27, 2026
Notification of acceptance	December 18, 2026
Conference registration deadline	February 12, 2027

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

Conference Chair

Robert Rehm

Fraunhofer IAF, Freiburg, DEU

Invited Speakers

Laurent Cerutti
Sarath Gunapala
Delphine Marris-Morini
Adam Piotrowski
Chee Hing Tan
Angela Vasanelli
Igor Vurgaftman

Université de Montpellier, FRA
NASA Jet Propulsion Lab (JPL), Pasadena, USA
Université Paris Saclay, FRA
VIGO Photonics, Ożarów Mazowiecki, POL
University of Sheffield, GBR
Université Paris Diderot, FRA
Naval Research Lab, Washington, USA

Program Committee

Mikhail Belkin
Mathieu Carras
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Detlef Eich
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Franz Münzhuber
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Marcel Rattunde
Frank Rutz
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Leon Shterengas
Matthew Soman
Gottfried Strasser
Stephen Sweeney
Sebastian Teich
David Ting
Alberto Tosi

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mirSense, Orsay, FRA
University of Montpellier – IES, FRA
AIM Infrarot-Module, Heilbronn, DEU
ETH Zürich, CHE
University of Western Australia, Crawley, AUS
CEA-Leti, Grenoble, FRA
Silicon Austria Labs, Graz, AUT
University of Würzburg, DEU
IRnova, Kista, SWE
Fraunhofer CAP, Glasgow, GBR
Coherent/ DILAS Diodenlaser, Freiburg, DEU
nanoplus, Gerbrunn, DEU
Military University of Technology, Warsaw, POL
Ulm University, DEU
Alpes Laser, St. Blaise, CHE
Diehl Defence, Überlingen, DEU
VIGO Photonics, Ożarów Mazowiecki, POL
Fraunhofer IAF, Freiburg, DEU
Fraunhofer IAF, Freiburg, DEU
Sacher Lasertechnik, Marburg, DEU
Airbus Defence and Space, Toulouse, FRA
Stony Brook University, USA
European Space Agency ESTEC, Noordwijk, NLD
TU Wien, Institute for Solid State Electronics, AUT
University of Glasgow, James Watt School of England, GBR
Bundeswehr, WTD 81, Greding, DEU
NASA Jet Propulsion Laboratory, Pasadena, USA
Politecnico di Milano, ITA

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RIBER

Veeco

VIGO
PHOTONICS

Accommodation

A block of rooms will be reserved at several hotels at special rates for participants of the 47th Freiburg Infrared Colloquium.

Details on hotel reservations will be available soon on the website
infrared-colloquium.de.