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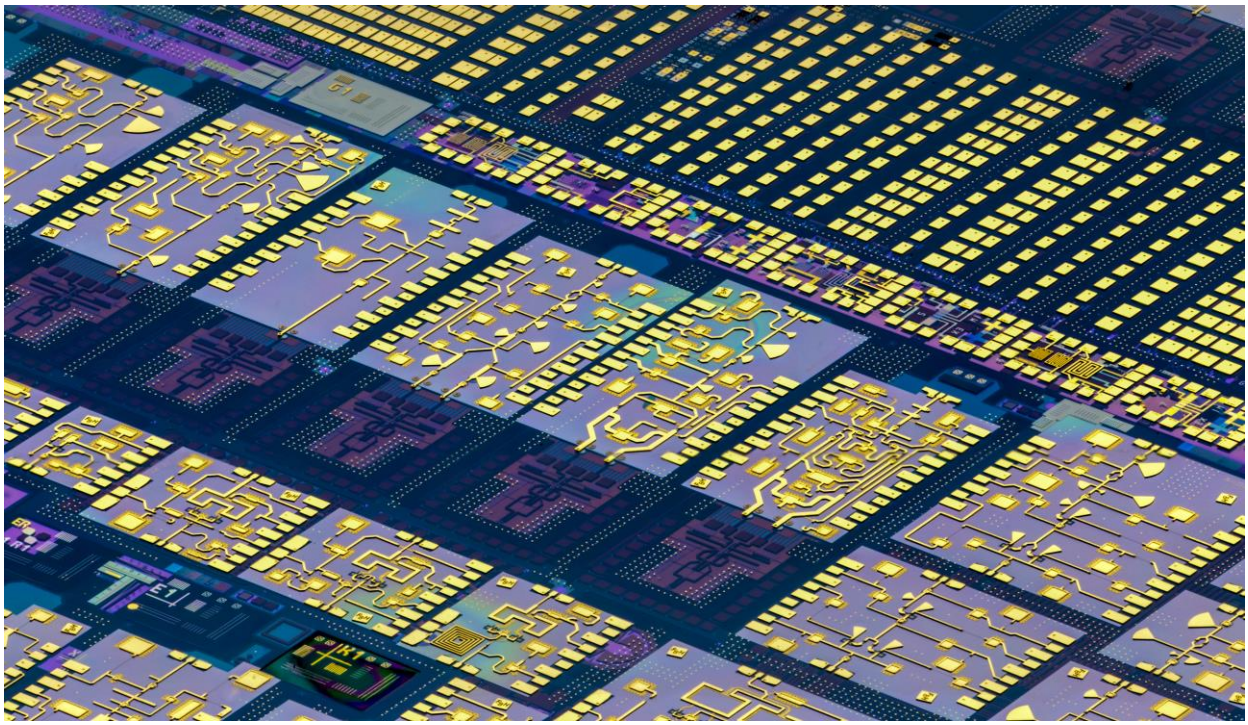

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The THz field encompasses not only a multitude of applications but also two basically different approaches to realize the system components. One comes from the optical side and targeted initially the upper end of the THz frequency range, the other uses electronic components and drives things from the lower end of the THz spectrum. The latter benefits from the steadily growing development in microelectronics which pushes the limits of electronic circuits higher and higher continuously. That is the motivation why this year's THz workshop will focus on the electronic side, concentrating on the frequency range up to about 1 THz and showcasing what state-of-the-art technologies in device design, fabrication and measurements can achieve towards this end.

WORKSHOP on THz & Electronics

November 20th, 2018

Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik
Gustav-Kirchhoff-Straße 4
12489 Berlin

THE WORKSHOP WILL BE HELD IN ENGLISH

THE GERMAN CAPITAL REGION
excellence in photonics

OpTecBB

Program

09:30 - 10:00	***Registration // Coffee***
10:00 - 10:15	Welcome and introduction Prof. Dr. Wolfgang Heinrich, Ferdinand-Braun-Institut Dr. Frank Lerch, Cluster Optik/OpTecBB
10:15 - 11:00	InP circuits towards 1 THz Prof. Dr. Viktor Krozer, Ferdinand-Braun-Institut (FBH), Leibniz-Institut für Höchstfrequenztechnik
11:00 - 11:45	SiGe integrated circuits for THz applications Prof. Dr. Dietmar Kissinger, IHP GmbH - Innovations for High Performance Microelectronics/ Leibniz-Institut für innovative Mikroelektronik
11:45 - 12:30	First data transmission through Terahertz multiplexer Felix Lenze / Ahed Abedrabuh, Tektronix
12:30 - 13:30	***"Lunch-on" (Lunch and Hands-on) with highest performance measurement instruments and live-demo with Tektronix***
13:30 – 14:30	Silicon-based Terahertz Integrated Circuits - from Components to Systems Prof. Dr. Ulrich Pfeiffer, Universität Wuppertal
14:30 – 15:00	***Coffee Break and Demo***
15:00 - 15:30	Terahertz-components based on 1.5µm telecom technology Dr. Björn Globisch, Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut (HHI)
15:30 - 16:00	GaN-based THz detectors Adam Rämer, Ferdinand-Braun-Institut (FBH), Leibniz-Institut für Höchstfrequenztechnik
16:00 …	***Wrap Up, Coffee and get together***

RÜCKANTWORT

WORKSHOP (Sprache: Englisch)

THz & Electronics

am Donnerstag, 20.11.2018

Ferdinand-Braun-Institut, Leibniz-Institut für

Höchstfrequenztechnik

Gustav-Kirchhoff-Straße 4

12489 Berlin

Rücksendung in j e d e m Fall erbeten bis **16.11.2018** an OpTecBB

Anmeldung: https://optecbb.de/lang/de/test-measurement-and-thz-technologies.php

oder an OpTecBB e.V., Hr. Reschke: optecbb@optecbb.de, Fax: +49-30-6392-1729

Name, Vorname: _____

Titel: _____

Institution/Firma: _____

Anschrift: _____

_____

Tel./FAX: _____

E-Mail: _____

By registering you consent to the following:

- all personal data collected via this registration form will, in accordance with the current rules concerning the protection of personal data, be saved, processed and used for the sole purpose of organising the event and for legitimate business interests with regard to providing advice and support.
- during the event, visual images of you may be taken, processed and used in the context of public relations work (print and online media) and for documentation purposes.
- The transmitted data concerning title, first name, surname and company/institution may be made available to all event participants in the form of a printed list of participants.