

Convergence of Electronics & Photonics for THz Applications: Dream or Reality ?

IEMN LILLE1-UNIVERSITY, JULY 10TH 2015

Co-organized by the IEEE-MTT French Chapter, IEMN-Université Lille1, and sponsored by Tektronix, this workshop aims to highlight recent advances on semi-conductor based THz devices.

Focus will be given on

- (i) photonic based devices (photomixers) and
- (ii) solid-state advanced devices.

Discussions on the possibility to merge these two worlds will constitute the driving idea of the workshop. Four Keynote Speakers with large time slots devoted to questions/answers session articulate the day. Breaks and lunch buffet time will provide to the Attendees the opportunity to interact each other and display Posters. A THz demonstration is also scheduled.

A visit of characterization facilities at IEMN will be proposed at the end of the workshop. Poster session on afternoon.

ORGANIZATION

INVITED SPEAKERS

Goutam Chattopadhyay, IEEE MTT-S DML, Caltech,

- "Terahertz Radar for Stand-Off Through-Clothes Imaging "

Jan C. Balzer (Philipps-Universität Marburg)

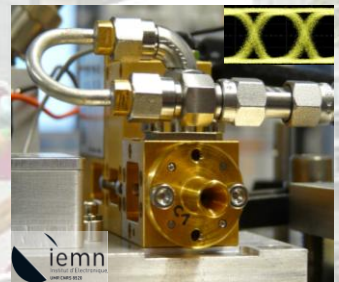
- "THz technology – From the lab to real world applications "

Mohammed Zaknoue (IEMN),

- " III-V Technologies for mmW and THz applications "

Jean-François Lampin and/or Guillaume Ducournau (IEMN)

- "THz communications using 1.55 μm photomixers: a direct bridge between fiber world and wireless world? "



- Scientific Committee : Jean-François Lampin, Guillaume Ducournau – IEMN-
- Organizing Committee: François Danneville , Damienne Bajon - IEEE MTT-S French Chapter



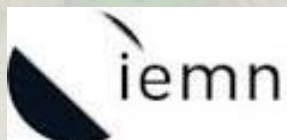
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AGENDA

8:30 Welcome, registration, Coffee

9:00 INTRODUCTION of the day
IEMN Overview

9:10 Goutam Chattopadhyay, IEEE MTT-S DML, Caltech,
▪ *"Terahertz Radar for Stand-Off Through-Clothes Imaging"*

10:00 Coffee Break

10:30 Jan C. Balzer (Philipps-Universität Marburg)
▪ *"THz technology – From the lab to real world applications"*

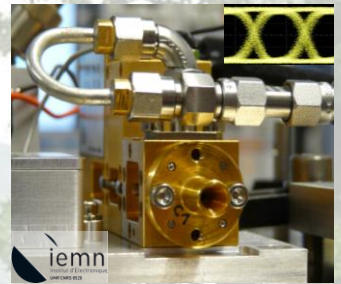
11:15 Mohammed Zaknune (IEMN),
▪ *"III-V Technologies for mmW and THz applications"*

11:45 Jean-François Lampin and/or Guillaume Ducournau (IEMN)
▪ *"THz communications using 1.55 μm photomixers: a direct bridge between fiber world and wireless world?"*

12:15 Open Discussions

12:30 Lunch

14:00 Poster session / THz demo / Lab tour



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