



Workshop on InP HBT technology activities in Europe

8th October 1pm to 9th October 2pm, at III-V lab, Palaiseau, France

Co-organized by DTU and III-V lab this workshop aims at bringing together research groups in Europe presently active in the development of InP HBT technology, together with modeling activities and circuit design. This will allow each group to present their current activities and to share results in an informal setting. The workshop will cover the main device technologies developed across Europe, their modelling effort, and results on integrated circuit level.

The workshop will be organized in the frame of the Marie Curie FP7-PEOPLE-2013-ITN European Industrial Doctorates project “**IN-POWER – InP DHBT MMIC Technology for Millimeter-Wave Power Applications**”. The aim of the IN-POWER project is to develop an optimized InP DHBT technology suitable for applications in the higher millimeter-wave frequency bands. The focus is on single and multi-finger devices with and without ballasting for higher frequency of operation and extended safe-operation-area targeting millimeter-wave power amplifiers. The development of the InP DHBT technology will be accompanied by the implementation of power amplifier MMICs targeting emerging applications at E-band and higher mm-wave frequencies.

Invited speakers

- **Nils Weimann**, FBH
“InP-on-BiCMOS transferred substrate technology at FBH”
- **Colombo Bolognesi**, ETH-Zurich
“InP/GaAsSb DHBTs and MMICs”
- **Cristell Maneux**, IMS
“InP DHBT simulations using TCAD tools”
- **Viktor Krozer**, GUF
“Millimeter-wave signal generation using InP MMIC DHBT technology”
- **Herbert Zirath**, Chalmers
“High data rate wireless communication based on multifunction 250 nm DHBT MMICs”

Scientific coordinator: Tom Johansen, DTU

Organizing committee: Virginie Nodjiadjim, Agnieszka Konczykowska, Jean-Yves Dupuy, III-V Lab

Location

III-V Lab

Campus de Polytechnique

1, avenue Augustin Fresnel, RD128

F-91767 Palaiseau Cedex

Phone : + 33 1 69 41 55 00

For more information, please contact Virginie Nodjiadjim: virginie.nodjiadjim@3-5lab.fr