



Vortragsveranstaltung der „Freunde des IHP e.V.“

**21. November 2011 um 17:00 Uhr
Konferenzraum**

“Silicon CMOS/BiCMOS transceiver circuits for THz applications”

Prof. Dr. Ullrich Pfeiffer
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of Wuppertal

Abstract:

The push towards terahertz frequencies presents both challenges and opportunities for emerging applications and circuit. In this talk, recent attempts to operate SiGe and CMOS technologies beyond their transistors cut-off frequencies will be presented. Among others, the circuit designs include monolithically integrated THz CMOS focal-plane arrays and 820 GHz sub-harmonically pumped SiGe HBT imaging front-ends including integrated antennas.

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