Molecular Spectroscopy With a Compact 557-GHz Heterodyne Receiver
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Small- and large-signal modeling of InP HBTs in transferred-substrate technology
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Broadband Packaging of Photodetectors for 100 Gb/s Ethernet Applications
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Design of a ×4 subharmonic sub-millimeter wave diode mixer, based on an analytic expression for small-signal conversion admittance parameters
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Physical based Schottky barrier diode modeling for THz applications
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Filter designs based on coupled transmission line model for double split ring resonators
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Twelve-bit 20-GHz reduced size pipeline accumulator in 0.25 μm SiGe:C technology for direct digital synthesiser applications
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

300 GHz Imaging System with 8 Meter Stand-off Distance and One-Dimensional Synthetic Image Reconstruction for Remote Detection of Material Defects
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

300 GHz Imaging with 8 meter stand-off distance and one-dimensional synthetic image reconstruction
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review
Backward-Wave Amplifier Realisation at 1000 GHz: Progress within EU FP7 OPTHER project
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Behavioral electromagnetic models of high-speed p-i-n photodiodes
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Design and Fabrication of a 1 THz Backward Wave Amplifier
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Improved External Base Resistance Extraction for Submicrometer InP/InGaAs DHBT Models
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

LIGA-based Slow Wave Structure for a THz Vacuum Amplifier
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2011 › Research › peer-review

ESA’S POLarimetric Airborne Radar Ice Sounder (POLARIS): design and first results
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Impedance Transformers
Research output: Contribution to book chapter › Book chapter – Annual report year: 2010 › Research › peer-review

Millimeter-wave Imaging Systems with Aperture Synthesis Techniques
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Terahertz Imaging Systems With Aperture Synthesis Techniques
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Analysis of Hybrid-Integrated High-Speed Electro-Absorption Modulated Lasers Based on EM/Circuit Co-simulation
Compact Front-end Prototype for Next Generation RFI-rejecting Polarimetric L-band Radiometer

GaAs Wideband Low Noise Amplifier Design for Breast Cancer Detection System

Implementation and Test of POLARIS, a P-band Polarimetric Airborne Radar Ice Sounder

InP DHBT MMICs for millimeter-wave front-ends

Oscillator Phase Noise: A Geometrical Approach

Packaging of photodetector modules for 100 Gbit/s applications using electromagnetic simulations

POLARIS: ESA's airborne ice sounding radar front-end design, performance assessment and first results

Submillimeter Wave Antenna With Slow Wave Feed Line

Terahertz Camera for Remote Detection of Material Defects and Biological and Chemical Substances: Design Study

Traveling-Wave Tube Amplifier for THz Frequencies
Compact RF Front-End Components for Ice-Sounding Radars

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Conversion Matrix Analysis of GaAs HEMT Active Gilbert Cell Mixers

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Design and modelling of frequency multipliers based on commercial Schottky diodes
Krozer, V., 2006, *30th Workshop on Compound Semiconductor Devices and Integrated Circuits, WOCSDICE 2006*. Kgs.Lyngby, Denmark: Ørsted•DTU, Technical University of Denmark, DTU

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Design of an airborne P-band ice sounding radar

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research

Design of a planar Schottky diode based 200 GHz frequency multiplier

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Design of a terahertz CW photomixer based on PIN and superlattice PIN devices

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Development of Broadband Dual-Linear Polarisation Probe-Fed Microstrip Patch Antennas

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Millimeter-Wave Integrated Circuit Design for Wireless and Radar Applications

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Miniature Microwave Bandpass Filter Based on EBG Structures

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Modeling of High-Speed InP DHBTs using Electromagnetic Simulation Based De-embedding

Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review
Numerical studies of stripline-typed photonic band-gap (PBG) structures using finite difference time domain (FDTD) method
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Ultra-broadband Nonlinear Microwave Monolithic Integrated Circuits in SiGe, GaAs and InP
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Analysis and Design of Wide-Band SiGe HBT Active Mixers
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Analysis of photonic band-gap structures in stratified medium
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Analytical modelling of THz frequency multipliers and mixers based on Schottky diodes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

Applications of Electromagnetic Bandgap and Tunable Left-Handed Materials
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

Design and analysis of planar printed microwave and PBG filters using an FDTD method (vol 36, pg 97, 2005)
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Large-signal PIN diode model for ultra-fast photodetectors
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

Modelling of THz power generation based on ultra-fast PIN photodiodes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

Nonlinear analysis of a cross-coupled quadrature harmonic oscillator
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

RF MEMS Without Moving Parts: Applications and Opportunities
Study of stratified dielectric slab medium structures using pseudo-spectral time domain (PSTD) algorithm

Substrate Effects in Wideband SiGe HBT Mixer Circuits

Trade-off between phase-noise and signal quadrature in unilaterally coupled oscillators

Uncertainty Estimation in SiGe HBT Small-Signal Modeling

Wideband Monolithic Microwave Integrated Circuit Frequency Converters with GaAs mHEMT Technology

A Design Of Feeding Network For A Dual-Linear Polarization, Stacked, Probe-Fed Microstrip Patch Antenna Array

Analysis of photonic band-gap (PBG) structures using the FDTD method

A new THz-photomixer based on a n-i-p-n doping superlattice

Broadband matching of dual-linear polarisation stacked probe-fed microstrip patch antenna

Conversion Matrix Analysis of SiGe HBT Gilbert Cell Mixers
Design and analysis of planar printed microwave and PBG filters using an FDTD method
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Nonlinear Analysis of a Cross-Coupled Quadrature Harmonic Oscillator
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2004 › Research › peer-review

Optical Far-IR Wave Generation - State-of-the-Art and Advanced Device Structures
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2004 › Research › peer-review

Ultra-Wideband Monolithic Microwave Integrated Circuit Solutions in SiGe
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2004 › Research › peer-review

Design and Analysis of Planar Printed Microwave Filters using FDTD Method in Conjunction with an Unsplit-Anisotropic Perfectly Matched Layer Technique
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research › peer-review

Optical Far-IR wave Generation - An ESA review study
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research › peer-review

THz LO Generation with Frequency Multipliers
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research › peer-review

Ultra-wideband MMICs for remote sensing applications
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research › peer-review

Analysis of Photonic Band-Gap (PBG) Structure using Finite Difference Time Domain (FDTD) Algorithm
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research › peer-review

A Non-Uniform Pseudo-Spectral Time Domain (PSTD) Method in One-Dimensional Applications
Applications of Pseudo-Spectral Time Domain Method in Conjunction with Unspilt Anisotropic PML Technique
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research › peer-review

Broadband Thermoelectric Microwave Power Sensors using GaAs Foundry Process
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research › peer-review

Investigation of Interface Charges at the Heterojunction Discontinuity in HBT Devices
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Limitations in THz Power Generation with Schottky Diode Varactor Frequency Multipliers
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research › peer-review

Modelling of Planar Schottky Diodes for Millimeter-Wave and Submillimeter-Wave Circuit Applications
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research › peer-review

Projects:

Dynamic switching of W-band signals for Active and Reconfigurable delivery
Marie Curie (EU-stipendium)
15/05/2015 → 06/06/2018
Project: PhD

Methods for stability and Noise Analysis of Coupled Oscillating Systems
Djurhuus, T., Krozer, V., Vidkjaer, J., Merk, J., Leuzzi, G. & Quéré, R.
Centerfinansieret
01/07/2004 → 24/06/2008
Project: PhD

Integrated Control ofPcket-Oriented Optical Network Systems
Centerfinansieret
01/08/2001 → 29/05/2008
Project: PhD

Microwave Oscillators with Low Phase Noise and Ultra-High Stability
DTU, Samfinansiering
01/07/2002 → 07/09/2006
Project: PhD
Highly Compact Radar Circuits Utilizing LTCC Technology
Jensen, T., Krozer, V., Pedersen, P. R., Kjærgaard, C., Gevorgian, S. & Jacob, A. F.
ErhvervsPhD-ordningen VTU
01/05/2006 → 24/11/2010
Project: PhD

Design of Microwave Camera for Breast Cancer Detection
Zhurbenko, V., Krozer, V., Meincke, P., Vidkjaer, J., Bialkowski, M. E. & Semenov, S.
DTU-lønnet stipendie
01/09/2005 → 23/12/2008
Project: PhD

Millimeter-Wave Integrated Circuits for Systems In Package
DTU-lønnet stipendie
01/02/2006 → 18/11/2009
Project: PhD

Microwave and Millimeter-Wave Signal Power Generation
DTU-lønnet stipendie
01/10/2005 → 24/06/2009
Project: PhD

High Frequency Resonators for Liquid based Bio/Chemical Diagnostics and Monitoring Applications
Forskningsrådsfinansiering
01/02/2006 → 20/05/2009
Project: PhD

Microwave Instrument for Vital Signs Detection and Monitoring
Technical University of Denmark
01/06/2009 → 25/01/2013
Project: PhD