

Prof. Dr. Volker Lücken - Publikationen

Marnach, Aly; Dirksmeyer, Lorenz J.; Lücken, Volker et al.

A Comparison of ECG and FMCW Radar Heart Beat Measurements Based on an Envelope Analysis

2024 International Conference on Electromagnetics in Advanced Applications (ICEAA), 2-6 September 2024, Lisboa, Portugal. Torino: IEEE 2024 S. 71 - 76

Marnach, Aly; Lücken, Volker; Diewald, Andreas Richard

A Convolutional Gaussian Pulse Method Based on an Envelope Analysis Using a 24 GHz FMCW Radar

2024 International Radar Symposium (IRS) : July 2-4, 2024, Wroclaw, Poland. Warsaw: Warsaw University of Technology 2024 S. 308 - 313

Marnach, Aly; Lücken, Volker; Diewald, Andreas Richard

Adaptations of Computational-Intensive Methods for Real Time Vital Sign Detection using FMCW Radar

2024 IEEE International Symposium on Antennas and Propagation and INC/USNC-URSI Radio Science Meeting (AP-S/INC-USNC-URSI) : 14-19 July, Florence, Italy, Proceedings. NN: IEEE 2024 S. 2735 - 2736

Falk, Marius; Müller, Simon; Lücken, Volker et al.

Analysis of a very low-cost Coaxial-Waveguide-Transition (CWT) based on symmetric structures

2024 IEEE 22nd Mediterranean Electrotechnical Conference (MELECON) : 25-27 June 2024, Porto, Portugal. NN: IEEE 2024 S. 729 - 732

Tchameni, Michelle R.; Lücken, Volker; Schroeder, Udo et al.

Detection of Respiratory Arrhythmia in Radar Based Heartbeat Estimation

2024 IEEE INC-USNC-URSI Radio Science Meeting (Joint with AP-S Symposium) : 14-19 July, Florence, Italy, Proceedings. NN: IEEE 2024 S. 28 - 29

Tchameni, Michelle R.; Lücken, Volker; Schroeder, Udo et al.

Heartbeat Estimation and Respiratory Arrhythmia Detection Using 24 GHz Radar Signals

2024 IEEE 22nd Mediterranean Electrotechnical Conference (MELECON) : 25-27 June 2024, Porto, Portugal. NN: IEEE 2024 S. 362 - 366

Falk, Marius; Lücken, Volker; Diewald, Andreas Richard

Improvement of a Low-Cost Coaxial-Waveguide-Transition through Coating with Aluminum

2024 25th International Microwave and Radar Conference (MIKON) : 30 June - 4 July 2024, Wroclaw, Poland. NN: IEEE 2024 S. 377 - 381

Zou, Jie; Müller, Simon; Lücken, Volker et al.

Methods of Measuring Permittivity and Permeability of 3D-Printed Samples in a Rectangular Waveguide

2024 25th International Microwave and Radar Conference (MIKON) : 30 June - 4 July 2024, Wroclaw, Poland. NN: IEEE 2024 S. 249 - 253

Schiffer, Christian; Vieira, Cândido; Fearn, Nicholas et al.

Multimodal Radar for Epileptic Seizure Monitoring : Concept and Design

2024 IEEE International Symposium on Antennas and Propagation and INC/USNC-URSI Radio Science Meeting (AP-S/INC-USNC-URSI) : 14-19 July 2024, Florence, Italy, Proceedings. NN: IEEE 2024 S. 2471 - 2472

Tchameni, Michelle R.; Schiffer, Christian; Lücken, Volker et al.

Radar Based Heartbeat Estimation in Time Domain

2024 15th German Microwave Conference (GeMiC) : March, 11-13, 2024, Duisburg, Germany. NN: IEEE 2024 S. 129 - 132

Vieira, Cândido; Lücken, Volker; Diewald, Andreas Richard et al.

Steering-Layer : A Hybrid DSP-Machine Learning Layer for Sensor DoA Estimation

2024 15th German Microwave Conference (GeMiC) : March 11-13, 2024, Duisburg, Germany. NN: IEEE 2024 S. 245 - 248

Schiffer, Christian; Vieira, Cândido; Fearn, Nicholas et al.

Synchronizing Radar and Auxiliary Data Streams with a Corner Reflector Clapperboard

2024 IEEE International Symposium on Antennas and Propagation and INC/USNC-URSI Radio Science Meeting (AP-S/INC-USNC-URSI) : 14-19 July, Florence, Italy, Proceedings. NN: IEEE 2024 S. 12265 - 12266

Falk, Marius; Lücken, Volker; Diewald, Andreas Richard

Transfer of a Low-Cost Coaxial-Waveguide-Transition Concept to Larger Waveguide Standards

2024 IEEE International Symposium on Antennas and Propagation and INC/USNC-URSI Radio Science Meeting (AP-S/INC-USNC-URSI) : 14-19 July 2024, Florence, Italy, Proceedings. NN: IEEE 2024 S. 1267 - 1268

Dartmann, Guido; Schmeink, Anke; Lücken, Volker et al.

Smart Transportation

Boca Raton: CRC Press 2021

Demir, Mehmet O.; Karabulut Kurt, Gunes; Lucken, Volker et al.

Impact of the communication channel on information theoretical privacy

International Symposium on Information Theory (ISIT). online: IEEE 2017

Dartmann, Guido; Demir, Mehmet Ö.; Laux, Hendrik et al.

Tutorial on Information Theoretic Metrics Quantifying Privacy in Cyber-Physical Systems

Security and Privacy in Cyber-Physical Systems. New York: Wiley 2017 S. 57 - 76

Cepheli, Ozge; Lücken, Volker; Karabulut-Kurt, Gunes et al.

Physical layer security in the last mile technology of mobile networks, protecting mobile networks and devices: Challenges and solutions

Protecting Mobile Networks and Devices. New York. 2016 26 S. (Series in Security, Privacy and Trust)

Cepheli, Ozge; Lucken, Volker; Dartmann, Guido et al.

Adaptive Physical Layer Security Framework for Wireless Systems

81st Vehicular Technology Conference (VTC Spring). online: IEEE 2015

Lucken, Volker; Singh, Taniya; Cepheli, Ozge et al.

Filter hopping: Physical layer secrecy based on FBMC

Wireless Communications and Networking Conference (WCNC). online: IEEE 2015

Dartmann, Guido; Lucken, Volker; Cepheli, Ozge et al.

Filter Optimization Aided Interference Management with Improved Secrecy

80th Vehicular Technology Conference (VTC2014-Fall). online: IEEE 2014