

INTERNATIONAL JOURNAL OF

MICROWAVE AND WIRELESS TECHNOLOGIES

EuMW 2020 Special Issue: Part II

CONTENTS

Ka-band time-domain multiplexing front-end with minimum switch area utilization on 22 nm fully depleted silicon-on-insulator CMOS technology Mikko Hietanen, Jere Rusanen, Janne P. Aikio, Nuutti Tervo, Timo Rahkonen and Aarno Pärssinen	641
Optimization of the conductivity of microwave components printed by inkjet and aerosol jet on polymeric substrates by IPL and laser sintering Chaimaa El Hajjaji, Nicolas Delhote, Serge Verdeyme, Malgorzata Piechowiak, Laurence Boyer and Olivier Durand	652
Experimental and numerical characterization of a grounded coplanar waveguide for nanoelectroporation applied to liposomes Laura Caramazza, Alessandra Paffi, Micaela Liberti and Francesca Apollonio	663
High-order and tunable balanced bandpass filters using mixed technology resonators Dakotah Simpson and Dimitra Psychogiou	673
Imaging radar for automated driving functions Hasan Iqbal, Andreas Löffler, Mohamed Nour Mejdoub, Daniel Zimmermann and Frank Gruson	682
A SFCW harmonic radar system for maritime search and rescue using passive and active tags Thomas Harzheim, Marc Mühlmeil and Holger Heuermann	691

Enhancement of corona discharge thresholds in microstrip bandpass filters by using cover-ended resonators Aitor Morales-Hernández, Miguel Á. Sánchez-Soriano, Stephan Marini, Marta S. Reglero, Laura Esteve, Vicente E. Boria and Marco Guglielmi	708
Design and analysis of 3D-printed hybrid couplers for D-band applications K. Lomakin, L. Klein and G. Gold	719
A novel 4-DOF wide-range tunable frequency selective surface using an origami “eggbox” structure Yepu Cui, Ryan Bahr, Samantha Van Rijs and Manos Tentzeris	727
Attention-based deep learning networks for identification of human gait using radar micro-Doppler spectrograms Hannah Garcia Doherty, Roberto Arnaiz Burgueño, Roeland P. Trommel, Vasileios Papanastasiou and Ronny I. A. Harmanny	734
Agile multi-beam front-end for 5G mm-wave measurements Steffen Spira, Kurt Blau, Reiner Thomä and Matthias A. Hein	740

Cambridge Core

For further information about this journal
please go to the journal web site at:[cambridge.org/mrf](https://doi.org/10.1017/S1759078721001069)**CAMBRIDGE**
UNIVERSITY PRESS