

REGULAR PAPERS ISSUE

**220 A Review of Integrated Systems and Components for 6G Wireless Communication in the D-Band**

By T. Maiwald, T. Li, G.-R. Hotopan, K. Kolb, K. Disch, J. Potschka, A. Haag, M. Dietz, B. Debaille, T. Zwick, K. Aufinger, D. Ferling, R. Weigel, and A. Visweswaran

| CONTRIBUTED PAPER | This article reviews system-, technology-, circuit-, and package-level challenges, and offers solutions that help pave the way for integrated wireless-communication systems at D-band frequencies.

**257 Object Detection in 20 Years: A Survey**

By Z. Zou, K. Chen, Z. Shi, Y. Guo, and J. Ye

| CONTRIBUTED PAPER | This survey seeks to provide the novice reader with a complete grasp of object detection technology from many viewpoints, with an emphasis on its evolution.

**277 Radar-Based Monitoring of Vital Signs: A Tutorial Overview**

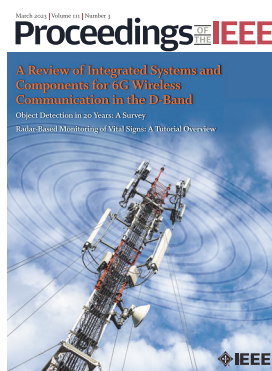
By G. Paterniani, D. Sgreccia, A. Davoli, G. Guerzoni, P. Di Viesti, A. C. Valenti, M. Vitolo, G. M. Vitetta, and G. Boriani

| CONTRIBUTED PAPER | This article offers a tutorial overview of radar-based monitoring of vital signs while providing some essential tips for its use in a research laboratory.

DEPARTMENTS

**218 SCANNING THE ISSUE**

**318 FUTURE SPECIAL ISSUE/SPECIAL SECTIONS**



**On the Cover:**  
This month's cover image of a cellphone tower is a nod to wireless communication in the D-band.