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Naima Kaabouch (University of North Dakota, USA) and Wen-Chen Hu (University of North Dakota, USA)

The inadequate use of wireless spectrum resources has recently motivated researchers and practitioners to look for new ways to improve resource efficiency. As a result, new cognitive radio technologies have been proposed as an effective solution.

The Handbook of Research on Software-Defined and Cognitive Radio Technologies for Dynamic Spectrum Management examines the emerging technologies being used to overcome radio spectrum scarcity. Providing timely and comprehensive coverage on topics pertaining to channel estimation, spectrum sensing, communication security, frequency hopping, and smart antennas, this research work is essential for use by educators, industrialists, and graduate students, as well as academicians researching in the field.

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Naima Kaabouch received her B.S., M.S., and Ph.D. all in Electrical Engineering from the University of Paris 11 and the University of Paris 6, Paris, France, in 1982, 1986, 1990, respectively. She is currently an Assistant Professor, in the Department of Electrical Engineering, University of North Dakota. Dr. Kaabouch research interests include configurable computing, real time systems, and signal/image processing. She published over 80 articles on refereed journal, proceedings, and books. In green computing field, she is the co-edited two books. In teaching, she developed and taught several courses in the field of configurable computing and real time systems involving microcontrollers and Field Programmable Gate Array devices-based devices.
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