From the EIC

Secure Automotive Systems

■ **AUTOMOTIVE SYSTEMS DESIGN** has made significant progress in the last decade. However, what is technically feasible is not necessarily making it into products. Security is a major constraint that determines whether a specific technology is accepted. This special issue guest edited by Sandip Ray, Mohammad Abdullah Al Faruque, and Ahmad-Reza Sadeghi focuses on this important constraint. It comprises five articles, including a survey and a "lessons learned" article. Many thanks to the Guest Editor team for bringing this important topic to *IEEE Design&Test*.

In the general interest section, we have two contributions. The first article is titled "Built-In Self-Test/Repair Methodology for Multiband RF-Interconnected TSV 3-D Integration" by Cheng et al. The authors propose a new error correction scheme for RF-interconnect by means of a built-in self-test. The second article is titled "Hardware Trojans-Inspired Hardware IP Watermarks" by Shayan et al. The authors propose a new technique for watermarking circuitry IP. A shortcoming of many similar approaches is an attack that removes the watermark. This article proposes a new methodology on how to overcome this problem.

The 56th Design Automation Conference (DAC) took place in Las Vegas, on June 3–6, 2019. Thanks to the General Chair Robert Aitken for the report.

This year's International Symposium for Low Power Electronics and Design (ISLPED) took place in Lausanne, Switzerland, on July 29–31, 2019. Thanks to the General Chairs Andreas Burg, Saibal Mukhopdhyay, and Mathew Ziegler for their report.

The Fourth International Workshop on Design Automation for Cyber-Physical Systems took place in Las Vegas on June 2, 2019, in conjunction with DAC. Thanks to Mohammad Abdullah Al Faruque and Chung-Wei Lin for their report.

Special thanks to Massimo Poncino, our reports editor, for his reports in this edition.

In addition, thanks to Theo Theocharides for the TTTC Newsletter. Last but not least, many thanks to Cheng-Wen Wu for The Last Byte "Baseball and Testing?" ■

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