

Table of Contents

Novel High Speed and Robust Ultra Low Voltage CMOS NP Domino Carry Gate <i>Abdul Wahab Majeed, Halfdan Solberg Bechmann, and Yngvar Berg</i>	1
Simultaneous Measurement of Temperature and Expansion on Radio Frequency Power Electronic Components <i>Eric Joubert, Olivier Latry, and Jean-Philippe Roux</i>	7
Robustness Study of SiC MOSFET Under Harsh Electrical and Thermal Constraints <i>Safa Mbarek, Pascal Dherbecourt, Olivier Latry, Francois Fouquet, Dhouha Othman, Mounira Berkani, and Stephane Lefebvre</i>	11
A Log-Tool Suite for Embedded Systems <i>Harald Schuster, Martin Horauer, Michael Kramer, Heinz Liebhart, and Josef Buger</i>	16
Scan-shift Power Reduction Based on Scan Partitioning and Q'-D Connection <i>Tiebin Wu, Li Zhou, and Hengzhu Liu</i>	21
A Study of Transparent On-chip Instruction Cache for NV Microcontrollers <i>Dahoo Kim, Itaru Hida, Eric Fukuda, Tetsuya Asai, and Masato Motomura</i>	26