

REGULAR PAPERS ISSUE

445 Software-Defined Imaging: A Survey

By S. Jayasuriya, O. Iqbal, V. Kodukula, V. Torres, R. LiKamWa, and A. Spanias

| CONTRIBUTED PAPER | This article surveys the emerging area of software-defined imaging (SDI) and highlights key works across the hardware and software stack in the literature.

465 Model-Based Deep Learning

By N. Shlezinger, J. Whang, Y. C. Eldar, and A. G. Dimakis

| CONTRIBUTED PAPER | This article reviews leading strategies for designing systems whose operation combines domain knowledge and data via model-based deep learning in a tutorial fashion.

500 Resistive Neural Hardware Accelerators

By K. Smagulova, M. E. Fouda, F. Kurdahi, K. N. Salama, and A. Eltawil

| CONTRIBUTED PAPER | This article reviews several state-of-the-art manycore and multinode ReRAM-based compute-in-memory neural network accelerators and their pipeline designs, providing insight into limitations and future directions.

528 Overview of Megahertz Wireless Power Transfer

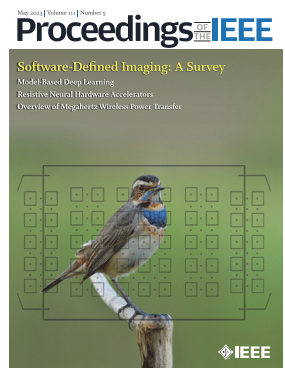
By Y. Wang, Z. Sun, Y. Guan, and D. Xu

| CONTRIBUTED PAPER | This article provides an overview of megahertz wireless power transfer systems from a power electronics perspective.

DEPARTMENTS

442 SCANNING THE ISSUE

555 FUTURE SPECIAL ISSUE/SPECIAL SECTIONS



On the Cover:
This month's cover image highlights digital photography which is just one application where software-defined imaging can be beneficial.