

REGULAR PAPERS ISSUE

14 In-Memory Learning With Analog Resistive Switching Memory: A Review and Perspective

By Y. Xi, B. Gao, J. Tang, A. Chen, M.-F. Chang, X. S. Hu, J. Van Der Spiegel, H. Qian, and H. Wu

| CONTRIBUTED PAPER | This article reviews the existing analog resistive switching memory devices and their hardware technologies for in-memory learning, as well as their challenges and prospects.

43 A Comprehensive Survey on Transfer Learning

By F. Zhuang, Z. Qi, K. Duan, D. Xi, Y. Zhu, H. Zhu, H. Xiong, and Q. He

| CONTRIBUTED PAPER | This survey provides a comprehensive understanding of transfer learning from the perspectives of data and model.

77 Radio Frequency Switches Based on Emerging Resistive Memory Technologies: A Survey

By N. Wainstein, G. Adam, E. Yalon, and S. Kvatinsky

| CONTRIBUTED PAPER | This article surveys high-performance radio frequency (RF) switches based on resistive memories, comparing them to mature RF switching technologies, and discusses future prospects and research directions for this technology.

DEPARTMENTS

2 POINT OF VIEW

Bridging the Digital Divide: Success Depends on Content Provider and Application Developer Involvement

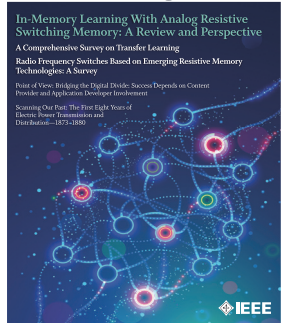
By A. Lappalainen and C. Rosenberg

11 SCANNING THE ISSUE

96 SCANNING OUR PAST

The First Eight Years of Electric Power Transmission and Distribution—1873–1880
By A. Allerhand

109 FUTURE SPECIAL ISSUE/SPECIAL SECTIONS



On the Cover:

This month's cover image is a conceptual illustration of a network of neurons and synapses, associated with memory and learning.