

REGULAR PAPERS ISSUE

19 Machine Learning for Emergency Management: A Survey and Future Outlook

By C. Kyrkou, P. Kolios, T. Theocharides, and M. Polycarpou

| CONTRIBUTED PAPER | This article surveys machine learning for all phases of emergency management, focusing on key characteristics and challenges, and its application across the different phases and operations.

42 Efficient Acceleration of Deep Learning Inference on Resource-Constrained Edge Devices: A Review

By M. M. Hossain Shuvo, S. K. Islam, J. Cheng, and B. I. Morshed

| CONTRIBUTED PAPER | This article provides a comprehensive review of the state-of-the-art tools and techniques for efficient edge inference, a vital element of artificial intelligence on edge.

92 Technology Prospects for Data-Intensive Computing

By K. Akarvardar and H.-S. P. Wong

| CONTRIBUTED PAPER | This article advances the idea that data-intensive computing will further cement semiconductor technology as a foundational technology with multidimensional pathways for growth.

DEPARTMENTS

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5 POINT OF VIEW

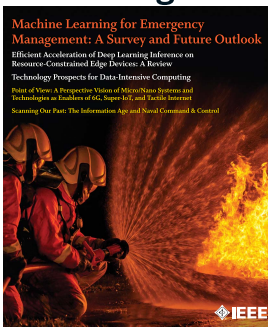
A Perspective Vision of Micro/Nano Systems and Technologies as Enablers of 6G, Super-IoT, and Tactile Internet

By J. Iannacci

113 SCANNING OUR PAST
The Information Age and Naval Command & Control

D. Boslaugh, P. Marland, and J. Vardalas

132 FUTURE SPECIAL ISSUE/SPECIAL SECTIONS



On the Cover:
Our cover image this month highlights the topic of emergency management, where ML techniques can now be applied at various stages to assist with the process.