

REGULAR PAPERS ISSUE
1538 Vector Symbolic Architectures as a Computing Framework for Emerging Hardware

By *D. Kleyko, M. Davies, E. P. Frady, P. Kanerva, S. J. Kent, B. A. Olshausen, E. Osipov, J. M. Rabaey, D. A. Rachkovskij, A. Rahini, and F. T. Sommer*

| CONTRIBUTED PAPER | This article reviews recent progress in the development of the computing framework referred to as vector symbolic architectures, or hyperdimensional computing.

1572 Survey on Fully Homomorphic Encryption, Theory, and Applications

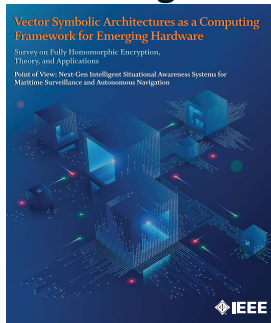
By *C. Marcolla, V. Sucasas, M. Manzano, R. Bassoli, F. H. P. Fitzek, and N. Aaraj*

| CONTRIBUTED PAPER | This survey article provides a comprehensive vision on homomorphic encryption since its genesis, covering its most recent advances and applications.

DEPARTMENTS
1530 SCANNING THE ISSUE
1532 POINT OF VIEW

Next-Gen Intelligent Situational Awareness Systems for Maritime Surveillance and Autonomous Navigation

By *N. Forti, E. D'Afflisio, P. Braca, L. M. Millefiori, S. Carniel, and P. Willett*

1610 FUTURE SPECIAL ISSUE/SPECIAL SECTIONS


On the Cover: This month's cover highlights an abstract representation of the type of high end computing that vector symbolic architectures embody.