

REGULAR PAPERS ISSUE

402 Adversarial Learning Targeting Deep Neural Network Classification: A Comprehensive Review of Defenses Against Attacks

By D. J. Miller, Z. Xiang, and G. Kesidis

| CONTRIBUTED PAPER | This article provides a contemporary survey of adversarial learning (AL), focused particularly on defenses against attacks on deep neural network classifiers.

434 Combinatorial Optimization of Graphical User Interface Designs

By A. Oulasvirta, N. R. Dayama, M. Shiripour, M. John, and A. Karrenbauer

| CONTRIBUTED PAPER | This article surveys combinatorial optimization as a flexible and powerful tool for computational generation and adaptation of graphical user interfaces (GUIs).

DEPARTMENTS

394 POINT OF VIEW

A Retrospective and Prospective View of Approximate Computing

By W. Liu, F. Lombardi, and M. Shulte

400 SCANNING THE ISSUE

465 SCANNING OUR PAST

Electrostatic Telegraphy—1753-1816
By A. Allerhand

474 FUTURE SPECIAL ISSUE/SPECIAL SECTIONS

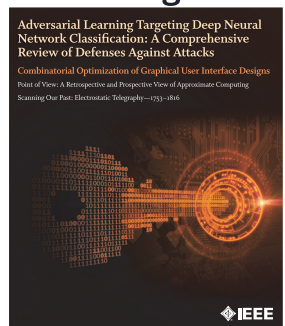
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Scanning Our Past: Electrostatic Telegraphy—1753-1816



On the Cover:

This month's cover image is an artist's conception of a computer's defense, protecting against adversarial learning attacks.