

IEEE Signal Processing MAGAZINE

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DEEP LEARNING FOR VISUAL UNDERSTANDING

Recent Advances:
Part 2

Analog-to-Digital
Cognitive Radio

Powering Next-Generation
Prosthetics

Information Measures
via Inference

Paradigms and Algorithms
of Artificial Intelligence

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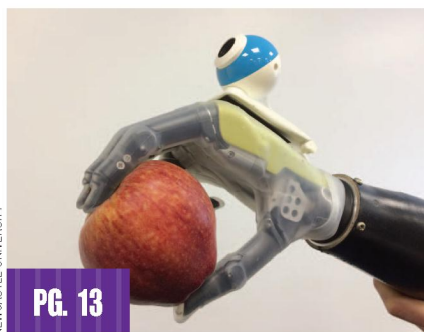
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ON THE COVER

This second part of the special issue on deep learning for visual understanding continues to provide tutorials on deep-learning techniques for understanding face images, object detection, superresolution, denoising, deblurring, compressive sensing, zero-shot recognition, and conditional random fields. This edition also includes articles on popular areas of generative adversarial networks, deep regression Bayesian networks, and model compression and acceleration. We hope these articles will encourage further discussion and facilitate applications of deep-learning techniques for computer vision to other areas of signal processing.

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