

1. Record Nr.	UNINA9910483201803321
Titolo	Recent Advances in Intelligent Information Hiding and Multimedia Signal Processing [[electronic resource] ] : Proceeding of the Fourteenth International Conference on Intelligent Information Hiding and Multimedia Signal Processing, November, 26-28, 2018, Sendai, Japan, Volume 2 // edited by Jeng-Shyang Pan, Akinori Ito, Pei-Wei Tsai, Lakhmi C. Jain
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-03748-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (369 pages)
Collana	Smart Innovation, Systems and Technologies, , 2190-3018 ; ; 110
Disciplina	006.7
Soggetti	Computational intelligence Artificial intelligence Signal processing Image processing Speech processing systems Multimedia information systems Computational Intelligence Artificial Intelligence Signal, Image and Speech Processing Multimedia Information Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	An Improved High-Capacity ECG Steganography with Smart Offset Coefficients -- Preview-versioned Essential Secret Image Sharing -- An Image Steganography Algorithm Based on Pixel Block Difference and Variable Modulus Function -- An Interrogation Speech Manipulation Detection Method using Speech Fingerprinting and Watermarking -- Evaluation of English Speech Recognition for Japanese Learners Using DNN-based Acoustic Models -- Melody Completion Based on Convolutional Neural Networks and Generative Adversarial Learning -- DNN-Based Talking Movie Generation with Face Direction Consideration

-- Forecasting for the Total Electricity Consumption of Taiwan by Fuzzy Time Series Model -- Heart Rate Detection Based on Facial Feature Points Tracking -- A Localization Approach Based on Fixed 3D Objects for Autonomous Robots -- Clockwise and Counter-clockwise Torsion in Different Operational Angles on Transverse Plane.

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Sommario/riassunto

This book features papers presented at IIH-MSP 2018, the 14th International Conference on Intelligent Information Hiding and Multimedia Signal Processing. The scope of IIH-MSP included information hiding and security, multimedia signal processing and networking, and bio-inspired multimedia technologies and systems. The book discusses subjects related to massive image/video compression and transmission for emerging networks, advances in speech and language processing, recent advances in information hiding and signal processing for audio and speech signals, intelligent distribution systems and applications, recent advances in security and privacy for multimodal network environments, multimedia signal processing, and machine learning. Presenting the latest research outcomes and findings, it is suitable for researchers and students who are interested in the corresponding fields. IIH-MSP 2018 was held in Sendai, Japan on 26–28 November 2018. It was hosted by Tohoku University and was cosponsored by the Fujian University of Technology in China, the Taiwan Association for Web Intelligence Consortium in Taiwan, and the Swinburne University of Technology in Australia, as well as the Fujian Provincial Key Laboratory of Big Data Mining and Applications (Fujian University of Technology) and the Harbin Institute of Technology Shenzhen Graduate School in China. .

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