

# IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY

A PUBLICATION OF THE IEEE SIGNAL PROCESSING SOCIETY



[www.signalprocessingsociety.org](http://www.signalprocessingsociety.org)

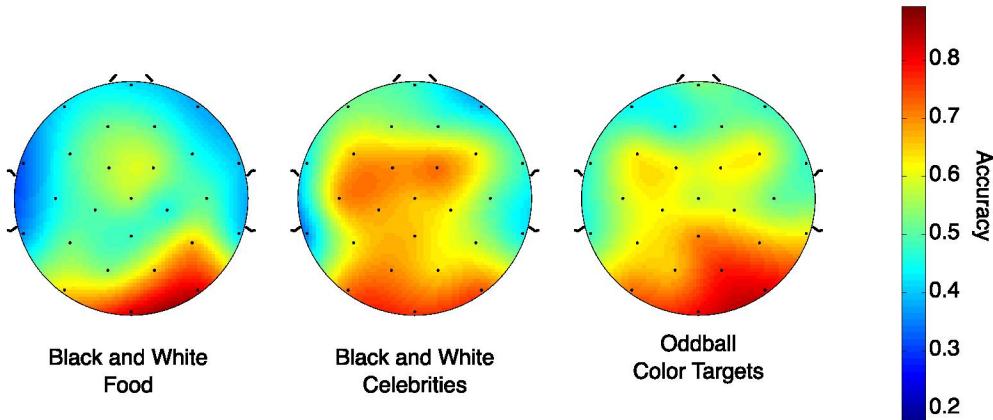
JULY 2016  
AUGUST 2016

VOLUME 11  
VOLUME 11

NUMBER 7  
NUMBER 8

ITIFAS6

(ISSN 1556-6013)



Grand averaged topographic map of identification accuracy for the black and white food, black and white celebrities, and oddball color targets classifiers, with areas of the scalp providing more accurate classifications in warm colors and areas providing less accurate classifications in cool colors as seen in "CEREBRE: A Novel Method for Very High Accuracy Event-Related Potential Biometric Identification" by M. V. Ruiz-Blondet *et al.*, p. 1618. As expected, the oddball color targets classifier was most accurate over a broad region starting on the back of the head, which is in accordance with the distribution of the P300 component. The black and white food classifier, in contrast, is most accurate over more occipital part of the head. The celebrity classifier, meanwhile, is most accurate over an intermediate region of scalp. These distinct topographies suggest that these three classifiers draw on separable functional brain networks.

---

For the July 2016 issue, see p. 1381 for Table of Contents.

For the August 2016 issue, see p. 1643 for Table of Contents.

---

# IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY

A PUBLICATION OF THE IEEE SIGNAL PROCESSING SOCIETY



[www.signalprocessingsociety.org](http://www.signalprocessingsociety.org)

AUGUST 2016

VOLUME 11

NUMBER 8

ITIFA6

(ISSN 1556-6013)

---

## REGULAR PAPERS

Localization Attacks Using Matrix and Tensor Factorization .....	<i>T. Murakami and H. Watanabe</i>	1647
Attribute-Based Data Sharing Scheme Revisited in Cloud Computing .....		
..... <i>S. Wang, K. Liang, J. K. Liu, J. Chen, J. Yu, and W. Xie</i>		1661
Secret Common Randomness From Routing Metadata in Ad Hoc Networks .....		
..... <i>M. R. Khalili-Shoja, G. T. Amariucai, S. Wei, and J. Deng</i>		1674
Auditing a Cloud Provider's Compliance With Data Backup Requirements: A Game Theoretical Analysis .....		
..... <i>Z. Ismail, C. Kiennert, J. Leneutre, and L. Chen</i>		1685
Resource Allocation for a Massive MIMO Relay Aided Secure Communication .....		
..... <i>J. Chen, X. Chen, W. H. Gerstacker, and D. W. K. Ng</i>		1700
One-Round Privacy-Preserving Meeting Location Determination for Smartphone Applications .....		
..... <i>X. Wang, Y. Mu, and R. Chen</i>		1712
SIFT Keypoint Removal and Injection via Convex Relaxation .....	<i>Y. Li, J. Zhou, A. Cheng, X. Liu, and Y. Y. Tang</i>	1722
Steganalysis Features for Content-Adaptive JPEG Steganography .....	<i>T. Denemark, M. Boroumand, and J. Fridrich</i>	1736
A Web Traffic Analysis Attack Using Only Timing Information .....	<i>S. Feghhi and D. J. Leith</i>	1747
Gender Classification From the Same Iris Code Used for Recognition .....		
..... <i>J. E. Tapia, C. A. Perez, and K. W. Bowyer</i>		1760
On the Efficiency of Revocation in RSA-Based Anonymous Systems .....	<i>M. Fueyo and J. Herranz</i>	1771
On SDoF of Multi-Receiver Wiretap Channel With Alternating CSIT .....	<i>Z. H. Awan, A. Zaidi, and A. Sezgin</i>	1780

---

(Contents Continued on Page 1644)

(Contents Continued from Page 1643)

---

On the Security of Key Extraction From Measuring Physical Quantities .....	<i>M. Edman, A. Kiayias, Q. Tang, and B. Yener</i>	1796
Face Recognition in the Scrambled Domain via Salience-Aware Ensembles of Many Kernels .....	<i>R. Jiang, S. Al-Maadeed, A. Bouridane, D. Crookes, and M. E. Celebi</i>	1807
Face Spoofing Detection Using Colour Texture Analysis .....	<i>Z. Boulkenafet, J. Komulainen, and A. Hadid</i>	1818
Group Secret Key Generation in Wireless Networks: Algorithms and Rate Optimization .....	<i>P. Xu, K. Cumanan, Z. Ding, X. Dai, and K. K. Leung</i>	1831
Privacy-Preserving-Outsourced Association Rule Mining on Vertically Partitioned Databases .....	<i>L. Li, R. Lu, K.-K. R. Choo, A. Datta, and J. Shao</i>	1847
Feature Selection for RF Fingerprinting With Multiple Discriminant Analysis and Using ZigBee Device Emissions .....	<i>T. J. Bihl, K. W. Bauer, Jr., and M. A. Temple</i>	1862
Perfect Secrecy in Physical-Layer Network Coding Systems From Structured Interference .....	<i>D. A. Karpu and A. Chorti</i>	1875
<hr/>		
ANNOUNCEMENTS		
Call for Papers—IEEE TRANSACTIONS ON SIGNAL AND INFORMATION PROCESSING OVER NETWORKS Special Issue on Distributed Information Processing in Social Networks .....		1888

---