

Contents

Editorial i

Research

Design and Implementation of Collaborative Ciphertext-Policy Attribute-Role based Encryption for Data Access Control in Cloud-
Somchart Fugkeaw, Hiroyuk Sato 71

A Note on Processing Time of Biometric Identification-
Serina Egawa, Ali Ismail Awad, Kensuke Baba 85

A Digital Video Watermarking Algorithm Based on LSB and DCT-
Kirti Jain, U.S.N Raju 92

Book Review 98

Conference Notification 99

- First International Conference on Real Time Intelligent Systems (RTIS 2016)
Taiyuan, China
- The Seventh International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2016)

Editorial

The third issue of this sixth volume is now available to the readers. This issue is marked by some core research in security.

In the first paper on “**Design and Implementation of Collaborative Ciphertext-Policy Attribute-Role based Encryption for Data Access Control in Cloud**” the authors *Somchart Fugkeaw and Hiroyuk Sato* proposed access control model called Collaborative-Ciphertext Policy-Attribute Role based Encryption. The benefit of this tool is that it provides secure channel for several data owners to update and administer their access control policies resided at the cloud server. To validate this model they presented a few implementation details to demonstrate the advanced features and performance analysis of the prototype system.

In the second papers on “**A Note on Processing Time of Biometric Identification**” the authors *Serina Egawa, Ali Ismail Awad, and Kensuke Baba* evaluated the identification algorithm of Maeda in terms of the processing time and the accuracy with the features extracted by SIFT from palmprint images. The evaluation in this paper proves that the algorithm is applicable to the SIFT-based palmprint features. They found that the algorithm is applicable to the SIFT-based palmprint features.

Kirti Jain and Raju in the last paper on “**A Digital Video Watermarking Algorithm Based on LSB and DCT**” proposed a watermarking algorithm for videos. The LSB and DCT both are embedded in the video frames they advocated. They compared their algorithm with 2-LSB using Peak signal-to-noise ratio. In the evaluation they found that the quality of watermarking images is good.

Editors