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IEEE CBMS 2017

30th IEEE International Symposium on Computer-Based Medical Systems

June 22-24, 2017

Thessaloniki, Greece

ST9 - Cloud Security and Data Privacy by Design (CloudSPD'17)

Call for Papers

Organisations, irrespective of size, increasingly recognise the compelling economic and operational benefits of Cloud Computing. Virtualising and pooling IT resources in the cloud enables organisations to realise significant cost savings and accelerates deployment of new applications, simultaneously transforming business and government at an unprecedented pace. However, those valuable business benefits cannot be unlocked without addressing new data security challenges posed by Cloud Computing. This challenge is even more true when it comes to data handled in the medical domain, where privacy and security of data is of paramount importance.

Deploying confidential information and critical IT resources in the Cloud raises concerns about vulnerability to attack, especially because of the anonymous, multi-tenant nature of cloud computing. Applications and storage volumes often reside next to potentially hostile virtual environments, leaving information at risk to theft, unauthorized exposure or malicious manipulation. Governmental regulation of data privacy and location presents the additional concern of significant legal and financial consequences if data confidentiality is breached, or if Cloud providers inadvertently move regulated data across international borders.

This special track aims to provide a fertile ground for creative debate and presentation of research results, practical experiences, and innovative ideas in all security aspects related to cloud computing. CloudSPD'17 focuses on Cloud Computing security, and invites research efforts from both the academia and industry in order to facilitate the dissemination of research and development of the next generation cloud platforms, applications and methods that will lead to better and more secure by design cloud-based systems.

At least one author of each accepted paper must be registered for the CBMS 2017 conference and present the paper in order to be published in the proceedings.

Topics

Topics of interest comprise, but are not limited to, the following categories:

- Cloud Security by design frameworks
- Intra- and inter-cloud security issues
- Privacy policies for clouds
- Secure management of virtualized resources
- Privacy Enforcement for cloud applications and platforms
- Trusted computing technology
- Cloud access control and key management
- Computation over encrypted data
- Secure cloud architecture
- Data protection and secured information sharing in the cloud

Paper submission guidelines

Please follow the general conference paper submission guidelines that can be found here:

<http://www.cbms2017.org/content/call-for-papers>

Important dates

Paper submission due (general and special tracks)	January 30, 2017
Notification of acceptance for papers	March 20, 2017
Final camera-ready paper due	April 13, 2017
Early registration deadline	April 23, 2017
IEEE CBMS 2917 conference days	June 22-24, 2017

Special Track Chairs

- Assoc. Prof. Iraklis Paraskakis, SEERC, The University of Sheffield International Faculty, CITY College, Thessaloniki, Greece
- Prof. Gregoris Mentzas, National Technical University of Athens, Greece
- Assoc. Prof. Christian Gehrmann, SICS, Sweden
- Assist. Prof. Antonios Michalas, University of Westminster, UK
- Prof. Dr. Jörn Müller-Quade, KIT, Germany
- Dr. Yiannis Verginadis, National Technical University of Athens, Greece

Special Track Programme Committee

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- Antonia Schwichtenberg, CAS Software AG, Germany
- Simeon Veloudis, SEERC, Greece

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