Call for Contributions

Inform the Chair: with the Title of your Contribution
Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ALLDATA+2017+Special
Please select Track Preference as **DAPRISE**

Special track

DAPRISE: Privacy and Security Issues in Big Data Management

Chair and Coordinator:
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along with
ALLDATA 2017, April 23 - 27, 2017 - Venice, Italy
The Third International Conference on Big Data, Small Data, Linked Data and Open Data
http://www.iaria.org/conferences2017/ALLDATA17.html

Privacy and security are tightly integrated aspects of Big Data. Protecting privacy rights is a great challenge. For example, in 2013, there were more than 13 million identity thefts in the United States and it is one of the fastest growing crimes. Other facets such as encryption in both hardware and software, and round the clock monitoring of security infrastructure are critical to protecting privacy.

The notion of personally identifiable information is difficult to define precisely. Furthermore, as data goes through various transformations, integrations, and aggregations, it becomes even more difficult to identify and tag personally identifiable data. It has been shown that even anonymized data can often be re-identified and attributed to specific individuals. Unfortunately, several business models employed in fields such as online behavioral advertising are based on re-identification of anonymized data.

Traditionally, security aspects addressed by the database management systems include protecting confidentiality through access and authorization controls, ensuring data integrity through declarative and procedural means, and assuring high availability through distributed architectures. Protecting confidentially involves securing information such as health records, credit history, trade secrets, marketing and sales strategies. Security in Big Data context ushers in several additional challenges. One such challenge is to enable privacy-preserving data analytics, while making it impossible to derive personally identifiable information.

The Data Privacy and Security track solicits papers covering all aspects of data privacy and security in the Big Data context.

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

- Privacy-preserving data transformations, integrations, and aggregations
- Privacy-preserving analytics
- Algorithms and approaches to determining personally identifiable information
- Legal, ethical, and social aspects of data privacy
- Visual analytic approaches to security and privacy
- Trust management in Big Data systems

- Access controls and authorization mechanisms in NoSQL systems
- Big Data enabled threat detection
- Encryption based approaches to data security and privacy

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~January 15~~ March 15
- Notification with comments for camera-ready: ~~February 20~~ March 22
- Registration: ~~March 5~~ April 1
- Camera ready: ~~March 15~~ April 1

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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