

Call for Contributions

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=DBKDA+2019+Special>

Please select Track Preference as **DataSec**

Special track

DataSec: Database Security

Chair and Coordinator

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along with

DBKDA 2019, The Eleventh International Conference on Advances in Databases, Knowledge, and Data Applications

June 02, 2019 to June 06, 2019 - Athens, Greece

<https://www.iaria.org/conferences2019/DBKDA19.html>

With data driven research and business having seen a huge surge during the last years with novel approaches in machine learning, as well as the cheap implementation of older methods for new use cases gaining an increasing amount of momentum, the very basis for providing and storing of data has become an especially valuable target for attackers. Ranging from pure data theft to fine-tuned data manipulation in order to change results, data needs to be protected.

This issue gains further importance when considering the General Data Protection Regulation (GDPR) with its requirements, not only regarding privacy, but also data security. Most large data vaults use some form of database technology and without securing this very basic layer, securing the application layers might result in an illusion of security. Therefore, the target of this special track lies in gathering novel research results on the topic of securing data in databases against all kinds of threats.

Data is the new gold for the data driven age and database security is essential for its protection.

Subtopics: Topics of interest include, but are not limited to:

- Securing database management systems
- Security in relational and no-SQL databases
- Data and privacy protection
- Application of data security in data driven research/business environments (e.g. medical databases)
- Database fingerprinting
- Data leak detection
- Securing storage engines
- Secure backups
- Detection of data exfiltration
- Database forensics
- Anti-forensics in databases
- Database steganography / Data hiding in databases
- Industrial databases
- Privacy by design in databases
- Encrypted databases
- Secure database architectures

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.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Important Datelines

- Inform the Chair: As soon as you decided to contribute

Submission: April 7, 2019

Notification: April 27, 2019

Registration: May 5, 2019

Camera-ready: May 5, 2019

Note: These deadlines are flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.iaia.org/format.html>

- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.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

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=DBKDA+2019+Special>

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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.iaia.org/registration.html>

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