

Call for Contributions

Inform the Chair: with the Title of your Contribution

Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=DBKDA+2017+Special>

Please select Track Preference as **EMET**

Special track

EMET: Evidential Mechanisms for Establishing Trust in Data

Chairs and Coordinators:

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along with

DBKDA 2017, May 21 - 25, 2017 - Barcelona, Spain

The Ninth International Conference on Advances in Databases, Knowledge, and Data Applications

<http://www.iaria.org/conferences2017/DBKDA17.html>

Organizations often use third party services to procure, process, and store data. To use such services effectively, it is often necessary to establish trust in data and in the computational process. Several methods have recently emerged that establish trust in data either by tracking its lineage, reproducing data from original trusted sources, or by reconstructing data after suspected corruption or malevolent intrusion. These methods approach the problem by augmenting database engine functionality and logging, by replicating its environment or otherwise independently verifying the computational outcome. This track seeks to understand the differing quality of trust that can be obtained and proven by considering a variety of evidential mechanisms.

EMET solicits submissions from the following areas of interest:

- Anti-forensics and anti-anti-forensics
- Incident response and live analysis
- Database forensics
- Using provenance for evaluating data quality and trust in data
- Models for tracking data in databases
- Methods for querying provenance-based evidence
- Large-scale applications of provenance, reproducibility or forensics
- Evidence (provenance or forensic-based) discovery
 - Event reconstruction methods and tools
 - Storage forensics, including specialized hardware
 - Evidence collection in the cloud
 - Evidence collection in specialized hardware
 - Novel methods for capturing provenance
- Evidence (provenance or forensic-based) storage and retention
 - Digital evidence and the law
 - Preserving chain of custody for digital evidence
 - Digital evidence storage and preservation
 - Archival preservation and reconstruction
- Tool testing and development
 - Virtualization methods for computational reproducibility

- Virtualization-based mechanisms for collection and replay of evidence

The above list is only suggestive; we welcome original ideas from people in academia, industry, and law enforcement who are interested in sharing their results and experience. Authors are encouraged to demonstrate applicability of their work to establishing trust in data. Questions about submission topics can be sent via email to: dbgroup@cdm.depaul.edu.

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~February 3~~ **April 13**
- Notification with comments for camera-ready: ~~March 3~~ **April 20**
- Registration: ~~March 18~~ **April 29**
- Camera ready: ~~April 9~~ **April 29**

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]

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

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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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