

PPiBDA 2022

Special Session on Privacy Protection in Big Data Approaches

at the 14th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2022)

Almaty, Kazakhstan, June 6-9, 2022

Conference website: <http://www.aciids.pwr.edu.pl/>

Special Session Organizers

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Objectives and topics

Big data technology improves decision-making capabilities in several fields such as security, employment, crime-control, insurance, health care, natural disaster, and resource management. Big data involves the features of 8V (velocity, volume, value, variety, veracity, validity, volatility, visualization). Currently, Big data obtained high implications during the COVID-19 pandemic for removing and mitigating the negative impact of the disease and proposing medical treatments. However, Big data experience a challenge due to privacy preservation. Therefore, this special session aims is to invite high-quality original and novel submissions on the Big data Privacy-preserving models, Privacy-preservation concerns on Big data technology, Identity-based Big data privacy, the impact of Big data on COVID-19, and Privacy-preservation of Big data storage on the Cloud servers. Additionally, the emphasis will also be on the several Big data industry-driven applications. This special session will provide an opportunity for researchers and practitioners to identify new promising research directions to publish recent advances in the area of Big data privacy preservation. The scope of the PPiBDA 2022 includes, but is not limited to following topics:

- Big Data Privacy-preserving models (e.g. K-anonymity, T-closeness, L-diversity, and δ -presence, etc.)
- Big Data privacy-preservation models
- Big Data Publishing Differential privacy
- Big Data privacy-preservation for support of Legal measures and industry specifications
- Integration of Big Data and the IoT
- Big Data principles for machine intelligence
- Emerging standards for Big Data Privacy-preservation

- Infrastructure Security and impact of Big Data privacy
- Impact of Big Data on COVID-19
- COVID-19 Privacy Data Protection
- Privacy of Big Data intensive-technologies
- Privacy aspects of Big Data in healthcare, and other industries.
- Big Data privacy anonymization
- Data privacy-preserving models for social networks

Important dates

Submission of papers: **15 January 2022**
 Notification of acceptance: **1 March 2022**
 Camera-ready papers: **15 March 2022**
 Registration & payment: **15 March 2022**
 Conference date: **6-9 June 2022**

Program Committee (to be invited)

Aziz Alotaibi, University of Taif, KSA
 Abrar Alajlan, King Saud University, KSA
 Meer Jaro Khan, Islamic International University, Pakistan
 Mohamed Ben Haj Frej, University of Bridgeport, USA
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 Vladimir Jotsov, University of Library Studies and Information Technologies, Bulgaria
 Yaser Jararweh, Duquesne University, Pittsburgh, USA
 Zhao Chenglin, Shaoyang University, China

Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format, through EasyChair. All the special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: ***PPiBDA 2022: Special Session on Privacy Protection in Big Data Approaches***
<https://easychair.org/conferences/?conf=aciids2022>

Authors are invited to submit original previously unpublished research papers written in English, of up to 13 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at [Springer's web site](#). Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the PPIBDA 2022 Program Committee. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, dblp, Google Scholar, Scopus, etc.).