2024 IEEE CSR Workshop on Privacy-Preserving Data Processing and Analysis (2P-DPA)

Call for Papers

Important dates

Paper submission deadline:
June 30, 2024 AoE

Authors' notification:
July 14, 2024 AoE

Camera-ready submission:
July 20, 2024 AoE

Early registration deadline:
July 20, 2024 AoE

Workshop dates:
September 2–4, 2024

Workshop chairs

Salvatore D'Antonio (IT)

Organizing committee

Federica Uccello (IT)
Giovanni Mazzeo (IT)

Technical program committee

Stelios Erotokritou (CY)
Dimitris Kavallieros (GR)
Angelos Papoutsis (GR)
Mary Papoutsoglou (GR)

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The deluge of big data, accompanied by developments in software and hardware technologies leveraging them, has created new opportunities for research and industry. Vast databases of medical records and genomics hold the promise of shedding light to up to now hidden disease pathways and novel personalized treatments. The main challenges, though, faced by researchers and service providers working with personal data in cases like the above, are stemming from the fact that these data need to be processed in a privacy-preserving way, as they contain sensitive information. Although several technologies have been developed to facilitate the processing of data while preserving privacy, hence reaching the ideal situation of maximizing data utility while preserving data privacy, they have not made significant inroads into real use cases. This workshop aims at addressing these challenges by presenting technologies, tools, and architecture for scalable, practical, privacy preserving, and secure data processing.

The workshop is held in conjunction with the IEEE CSR 2024 conference as a **hybrid event**, during September 2–4, 2024. Prospective authors are encouraged to submit previously unpublished contributions from a broad range of topics, which include but are not limited to the following:

› Architectures for secure data processing
› Advanced and scalable encryptions techniques
› Privacy preserving data processing
› Confidential computing
› Trusted execution environments

The CSR 2P-DPA workshop will accept high-quality research papers presenting strong theoretical contributions, applied research and innovation results obtained from funded cyber-security and resilience projects, and industrial papers that promote contributions on technology development and contemporary implementations.

Submitted manuscripts should not exceed 6 pages (plus 2 extra pages, being subject to overlength page charges) and should be of sufficient detail to be evaluated by expert reviewers in the field. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Detailed information about paper submission and guidelines for authors can be found at the workshop's website https://www.ieee-csr.org/2p-dpa.

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