

2026 IEEE CSR Workshop on Privacy-Preserving Data Processing and Analysis (2P-DPA)

Call for Papers

Important dates

Paper submission deadline:
April 13, 2026
Authors' notification:
May 4, 2026
Camera-ready submission:
May 25, 2026
Registration deadline (authors):
May 25, 2026
Workshop dates:
August 3–5, 2026

Workshop chairs

Salvatore D'Antonio (Italy)

Organizing committee

Massimo Ficco (Italy)
Luca Vollero (Italy)
Dimitris Kavallieros (Greece)

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Publicity chairs

Giovanni Mazzeo (Italy)

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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. As an example, vast databases of medical records and genomics hold the promise of shedding light to up to now hidden disease pathways and novel personalized treatments. Large amounts of data are collected and processed to monitor systems and networks, to make operational decisions, and to provide services to customers in several domains, such as finance, health, security. The main challenges, though, faced by research and industry aiming to exploit the availability of big data 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 secure processing of data, hence reaching the ideal situation of maximizing data utility while preserving data privacy, they have not made significant inroads into real use cases due to scalability and implementation issues. This workshop aims at addressing these challenges by presenting technologies, tools, and architecture for scalable, practical, privacy preserving, and secure data processing.

The workshop will be held in conjunction with the IEEE CSR 2026 conference as a **physical event**, during August 3–5, 2026. Prospective authors are encouraged to submit previously unpublished contributions from a broad range of topics, which include but are not limited to the following: (provide 10–12 topics)

- Architectures for secure data processing
- Advanced and scalable encryption algorithms
- Privacy preserving data processing
- Big data analytics
- Confidential computing
- Trusted execution environments
- Post-Quantum Cryptography
- Differential Privacy
- Federated Learning

The 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>.

Supported by (optional)

Logos and URLs of funded projects supporting the workshop

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