



2025 IEEE CSR Workshop on Securing the Management of 6G Networks (SECMAN-6G)

Call for Papers

Important dates

Paper submission deadline:

April 14, 2025

Authors' notification:

May 5, 2025

Camera-ready submission:

May 26, 2025

Registration deadline (authors):

May 26, 2025

Workshop dates:

August 4–6, 2025

The workshop aims to explore the critical challenges and opportunities related to securing the management infrastructures of 6G networks. As 6G networks evolve, their reliance on artificial intelligence (AI), Explainable AI (XAI), network slicing, and software-defined networking (SDN) introduces new vulnerabilities and complexities in security management. The workshop aims to bring together researchers, industry practitioners, and policymakers to discuss advancements in securing the management of 6G networks, focusing on scalable, trustworthy, and intelligent approaches. The workshop will cover theoretical advancements, practical implementations, and standardization efforts in securing 6G network management.

The workshop will be held in conjunction with the IEEE CSR 2025 conference as a **physical event**, during August 4–6, 2025. Prospective authors are encouraged to submit previously unpublished contributions from a broad range of topics, which include but are not limited to the following:

Workshop chairs

Bendiab Gueltoom (DZ)

Brik Bouziane (AE)

Ali Saleh Al-rimy Bander (UK)

Organizing committee

Eslam Amer (UK)

Ali Saleh Al-rimy Bander (UK)

Brik Bouziane (AE)

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Labiod Mohamed Aymen (FR)

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Chikhi Salim (DZ)

Dahmane Sofiane (DZ)

Anazida Zainal (MY)

Publicity chairs

Moudoud Hajar (CA)

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- › Security models for managing 6G networks
- › AI-driven threat detection and mitigation on 6G
- › Privacy preservation in 6G network management
- › Explainable AI (XAI) for 6G network security
- › Federated learning for secure 6G network management
- › Zero-Trust security models for 6G networks
- › Securing 6G networks against quantum computing-based threats
- › Incident response and resilience in 6G
- › Blockchain applications in 6G network security
- › Generative AI for enhancing security in 6G network management.
- › Autonomous security systems for self-healing 6G networks.
- › Threat intelligence sharing in 6G ecosystems
- › Resilience against adversarial attacks on AI in 6G networks
- › Dynamic spectrum management and security
- › Security verification and performance metrics
- › Green security for sustainable 6G networks
- › Standardization efforts for 6G security management
- › Ethical and regulatory implications of 6G network security

The IEEE CSR SECMAN-6G workshop will accept high-quality research papers presenting strong theoretical contributions, applied research and innovation results obtained from funded cybersecurity 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/secman-6g>.