

Special Session 1:

Trustworthy Decentralized AI and Blockchain: Privacy, Security, and Governance

Call For Papers

SEOUL, SOUTH KOREA
December 11-13, 2026

Introduction

The convergence of blockchain and artificial intelligence is enabling new forms of decentralized intelligent systems in which data, computation, decision-making, and governance can be distributed across multiple participants rather than controlled by a single centralized entity. While these developments create opportunities for greater transparency, resilience, privacy, and user control, they also introduce significant challenges involving trust, security, accountability, data governance, and responsible deployment. This special session focuses on blockchain-enabled trustworthy decentralized AI, bringing together research at the intersection of blockchain technologies, decentralized artificial intelligence, privacy, security, and governance. It welcomes novel architectures, methods, frameworks, empirical studies, and applications addressing how blockchain and related decentralized technologies can contribute to trustworthy AI ecosystems. Topics of particular interest include privacy-preserving decentralized AI, blockchain-supported AI accountability and provenance, decentralized data and model governance, identity and access management, trustworthy data sharing, smart-contract-enabled AI coordination, security of decentralized intelligent systems, and mechanisms supporting transparency and auditability. The session also welcomes interdisciplinary work examining ethical, regulatory, human-centred, and societal dimensions of decentralized technologies.

Chairs



Dr. Ajay Shrestha

Professor –
Vancouver Island University,
Canada



Sandhya Joshi

Research Associate –
Vancouver Island University,
Canada

Topics

- Blockchain-enabled decentralized artificial intelligence
- Trustworthy decentralized AI systems
- Blockchain and AI integration
- Privacy-preserving decentralized AI
- Security of decentralized intelligent systems
- Blockchain-supported AI accountability and auditability
- AI data and model provenance using blockchain
- Decentralized data governance
- Blockchain-enabled AI governance
- Decentralized identity for intelligent systems
- Privacy and anonymity in blockchain-enabled AI
- Data sovereignty and user-controlled data

More Topics:

<https://icbta.net/ss1.html>

Important Dates

Submission Deadline

November 15, 2026

Notification Date

November 25, 2026

Camera Ready
Submission

November 30, 2026

Registration Deadline

November 30, 2026

Publication

All accepted and presented papers will be included into ICBTA 2026 Conference Proceedings and published as a volume of Lecture Notes in Networks and Systems by Springer. This book series is abstracted and indexed by EI Compendex, SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago. All books published in the series are submitted for consideration in Web of Science.



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Submission Link

Enter the submission system
and select Special Session 1

1. **Abstract/ Presentation:** Abstract submission required; oral presentation only; will not be published.
2. **Full Paper/Publication:** Full paper submission required; presentation required; will be published.
3. Details: <https://icbta.net/sub.html>