The 14th International Conference on Advances in Information Technology

Trustworthy AI and Cybersecurity: Foundations for a Resilient Digital Future

17 - 19 June 2026

The 14 th International Conference on Advances in Information Technology (IAIT2026) is a premier forum to present and exchange ideas about recent technological developments and breakthrough research in Information Technology. IAIT2026 will be the 14th in the series and hosted by the School of Information Technology, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, in collaboration with the IEEE Computational Intelligence Society (IEEE CIS), Thailand Chapter. All the accepted and presented papers will be published by the reputed ACM ICPS series (ISBN number 979-8-4007-2436-7) and indexed by all major databases like Scopus, ISI Web of Science (Thompson Reuters), Ei Compendex, etc. The proceedings will be published under ACM's new open access publication model for ICPS. Hence, all the accepted and presented papers will be published as open access in the ACM Digital Library ensuring widespread visibility and access.

The theme for 2026 is **"Trustworthy AI and Cybersecurity: Foundations for a Resilient Digital Future"**, focussing on the convergence of cutting-edge technologies with the urgent need for digital trust, security, and ethical governance in an increasingly AI-driven world. As AI becomes embedded in critical infrastructure, business processes, and everyday life, the demand for responsible, transparent, and secure systems continues to rise. Likewise, ensuring cybersecurity and digital resilience across sectors is more important than ever. IAIT2026 invites contributions that address the intersection of AI, cybersecurity, data privacy, ethical computing, digital policy, and resilience engineering. The conference fosters interdisciplinary collaboration, encouraging submissions that span technical, human-centric, and policy-related dimensions of digital transformation.

IMPORTANT DATES

Date of Conference :	***17 – 19 June, 2026***
Paper Submission Deadline :	***On a rolling basis (Hard deadline is 15 May 2026)***
Notification of Acceptance :	***Within 1 month of submission***
Registration Deadline :	***5 June, 2026***
Camera Ready :	***10 June, 2026***

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1 Trustworthy, Secure, and Privacy-Preserving AI Systems

This track explores the foundations, methodologies, and frameworks for building AI systems that are transparent, accountable, and aligned with human values. Topics include algorithmic fairness, bias mitigation, interpretability, and trustworthy design of AI applications in safety-critical domains. Researchers and practitioners are invited to share advances that foster public confidence in AI-driven systems.

2 Generative AI and Large Language Models

This track focuses on breakthroughs and challenges in generative AI, including large language models (LLMs), multimodal learning, and diffusion-based architectures. Topics include model scaling, optimization, alignment, prompt engineering, hallucination reduction, and cross-domain applications in science, education, and the creative industries.

3 Cybersecurity Architectures and Threat Intelligence

Dedicated to the design and operation of resilient security infrastructures, this track covers threat modeling, detection, and response mechanisms. It includes advances in zero-trust architectures, intrusion detection, cyber forensics, SOC automation, and AI-driven threat intelligence. Submissions are encouraged from both academic research and industry case studies.

4 Blockchain, Privacy, and Decentralized Trust

This track focuses on blockchain innovations and cryptographic technologies that enhance transparency, privacy, and trust in digital ecosystems. Topics include decentralized identity, smart contracts, privacy-preserving computation, and blockchain-based security frameworks. The track also welcomes studies on interoperability and sustainable blockchain solutions.

5 Digital Governance and Trust Frameworks

This track explores the governance mechanisms, regulatory frameworks, and trust models that ensure the ethical and secure operation of digital systems. Discussions include digital identity management, compliance frameworks (ISO, NIST, GDPR, PDPA), and public-private collaboration in digital trust. The track seeks research connecting technical innovation with governance and policy development.

6 Cloud, Edge, and IoT Systems for Digital Resilience

This track examines the convergence of cloud computing, edge intelligence, and IoT technologies in creating robust and adaptive infrastructures. Topics include edge AI deployment, cloud-native security, IoT data management, and orchestration for critical services. Submissions highlighting system scalability, performance optimization, and fault tolerance are especially welcome.

7 Data Governance, AI Policy, and Ethical Digital Society

This track invites research that advances the robustness, transparency, and security of modern AI systems. It covers foundational methods for ensuring fairness, explainability, accountability, and responsible AI behavior, together with security-focused approaches that protect AI models and data throughout the lifecycle. Topics include bias mitigation, interpretable learning, adversarial robustness, model poisoning defenses, privacy-preserving computation, federated learning, secure deployment practices, and governance mechanisms for safe and ethical AI use. Submissions addressing safety-critical or high-stakes domains are especially encouraged.

8 Sustainable and Responsible Computing

This track highlights efforts toward minimizing the environmental impact of computing technologies. Topics include energy-efficient AI, green data centers, carbon-aware computing, and circular IT design. The track aims to foster discussions on aligning digital transformation with sustainability goals and responsible technology practices.

9 Data Science, Machine Learning and Intelligent Systems

This track welcomes research contributions spanning the full spectrum of data science, machine learning, and intelligent data-driven systems. Topics of interest include classical ML algorithms, modern deep learning architectures, reinforcement learning, statistical learning theory, and automated machine learning (AutoML). The track also covers data mining, predictive and prescriptive analytics, time-series forecasting, graph and network analytics, and large-scale optimization. Additional areas include scalable data processing pipelines, big data platforms, MLOps, data-centric AI methodologies, and applications in domains such as finance, healthcare, transportation, logistics, and smart cities. Submissions integrating data science with emerging fields—such as knowledge graphs, simulation-based analytics, multimodal ML, and real-time decision systems—are strongly encouraged.