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Important Date

Workshop/SS Proposal Due:	**Jul.**	**10,**	**2026**
Regular Paper Due:	**Jul.**	**15,**	**2026**
Workshop/SS Paper Due:	**Aug.**	**15,**	**2026**
LBI Paper Due:	**Aug.**	**20,**	**2026**
Author Notification Due:	**Sept.**	**01,**	**2026**
Paper Registration Due:	**Sept.**	**24,**	**2026**
Camera-ready Submission Due:	**Oct.**	**01,**	**2026**

Submissions and Publications

IEEE DASC 2026 invites submissions of Regular, Work-in-Progress (WiP), Poster, Workshop, and Special Session papers via the **EDAS** system. All submissions must follow the **IEEE Computer Society Proceedings format**.

All accepted papers will be published in the IEEE Conference Proceedings (IEEE-DL and EI indexed). Selected high quality papers will be recommended to prestigious journal special issues.

Three Co-located Conferences

- The 11th IEEE Cyber Science and Technology Congress (CyberSciTech 2026)
- The 12rd IEEE Int'l Conf. on Cloud and Big Data (DASC 2026)
- The 24rd IEEE Int'l Conf. on Pervasive Intelligence and Computing (PICom 2026)

The IEEE International Conference on Dependable, Autonomic and Secure Computing (IEEE DASC 2026) focuses on the emerging challenges of dependability and security in increasingly large-scale and complex computing and communication systems. With the rapid growth of Cyber-Physical Systems (CPS), the Internet of Things (IoT), and autonomous robotic systems, ensuring reliable and secure computing environments remains a critical research problem. The conference promotes interdisciplinary collaboration, advancing innovations in software systems, architectures, communication technologies, and data platforms to support the integration and evolution of trustworthy and autonomic systems.

IEEE DASC 2026 will be held on November 9–13, 2026, in Melbourne, Australia, co-located with IEEE CyberSciTech 2026, IEEE PICom 2026, and IEEE CBDCom 2026. It provides an international forum for researchers, practitioners, and industry experts to exchange the latest theoretical advances, system designs, practical experiences, and forward-looking ideas in dependability, security, trust, and autonomic computing.

IEEE DASC 2026 Tracks and Topics

Track 1. Dependability, Reliability, and Fault Tolerance
- ✧ Fault-tolerant hardware and software architectures
- ✧ Hardware and software reliability, verification and testing
- ✧ Reliability modeling and prediction for complex systems
- ✧ Highly Reliable Systems achieving stable performance
- ✧ Resilience engineering in Cyber-Physical Systems (CPS)
- ✧ Redundancy design for critical infrastructure
- ✧ Dependability metrics and evaluation frameworks
- ✧ Simulation, verification, testing, and validation for autonomous systems

Track 2. Security, Privacy, and Trust in Systems and Networks
- ✧ Intrusion detection, prevention, and mitigation in networked environments
- ✧ Security modeling, auditing, and compliance in safety-critical systems
- ✧ Self-adaptive security architecture, techniques, and algorithms
- ✧ Security protocols for CPS, IoT, and autonomous systems (e.g., vehicles, drones, robots)
- ✧ Privacy-preserving techniques for distributed, networked, and storage systems
- ✧ Blockchain and trust management for trustworthy distributed and autonomous systems
- ✧ Cryptography, including post-quantum cryptography, for secure systems

Track 3. Autonomic Computing and Self-Adaptive Systems
- ✧ Self-adaptive software architectures for autonomic computing
- ✧ Adaptive computing, communication, and resource allocation for autonomic systems
- ✧ Self-healing mechanisms for autonomic systems
- ✧ Autonomic decision-making under uncertainty
- ✧ Embodied AI for physical system adaptation
- ✧ Self-optimization for energy-efficient autonomic systems
- ✧ Modeling and STV & V of self-adaptive behaviors

Track 4. AI, Machine Learning, and Advanced Computational Methods
- ✧ AI-driven threat prediction, anomaly detection, fault detection and diagnosis
- ✧ Large Language Models (LLMs) for system specification and verification
- ✧ Data platforms leveraging and powering AI
- ✧ Quantum computing applications in dependability analysis
- ✧ Generative AI for synthetic test case generation
- ✧ Explainable AI for trustworthy autonomic computing
- ✧ Trustworthy and safe AI-empowered systems

Track 5. Industrial Applications and Case Studies
- ✧ Dependability and security in safety-critical control systems
- ✧ Autonomous systems in industrial IoT deployments
- ✧ Case studies on CPS reliability in manufacturing
- ✧ Lessons learned from autonomous vehicle system deployments
- ✧ Real-world applications of trustworthy AI in various industrial sectors

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Host: RMIT University, Enterprise AI and Data Analytics Hub