

9th International Workshop on Network and System Management and Monitoring (NetSMM 2025)

Welcome to the [9th International Workshop on Network and System Management and Monitoring \(NetSMM 2026\)](#), which will be held in conjunction with the at [The 40th International Conference on Advanced Information Networking and Applications \(AINA-2026\)](#) at **Victoria University of Wellington, New Zealand, from April 9 to April 11, 2026.**

The aim of NetSMM international workshop is to offer an opportunity for researchers and industrials to present their novel and innovative methodologies, techniques, tools, and real-life experiences concerning next-generation system & network management and monitoring.

NetSMM 2026 contains high quality papers submitted by researchers from all over the world. The submitted papers address conceptual and practical issues of both network management as well as network monitoring aspects. We are grateful to the authors for their contributions.

Call for Papers - Topics of Interest

The Workshop on Network and System Management and Monitoring (NetSMM 2026) invites original research contributions and practical experiences addressing recent advances in monitoring, management, and observability of modern communication and computing infrastructures. Submissions may present theoretical approaches, applied techniques, tools, prototypes, or case studies.

Topics of Interest

The topics of interest include, but are not limited to:

Network and System Monitoring

- Next-generation monitoring and observability techniques for networks, systems, and applications
- Network observability frameworks, metrics, and telemetry pipelines
- Real-time monitoring of physical and virtualized infrastructures (servers, storage, WAN, wireless, cloud, edge)
- Distributed monitoring algorithms, protocols, and threshold detection

Cloud, Edge, and Virtualization

- Monitoring and management of cloud-native, edge, and fog environments
- Observability in containerized and microservice-based systems (Kubernetes, service meshes, etc.)
- Management of Software-Defined Networks (SDN) and Network Function Virtualization (NFV)
- Resource management and orchestration in multi-cloud and multi-access networks

AI/ML and Data-Driven Approaches

- AI/ML techniques for anomaly detection, performance optimization, and predictive monitoring
- Big data analytics for large-scale system and network observability
- Complex event processing and correlation for security and reliability

- Explainable AI and trustworthy monitoring systems

Automation and Self-Management

- Zero-touch networks and self-healing infrastructures
- Adaptive and autonomous management protocols
- Runtime monitoring, passive testing, and verification methods
- Formal methods for monitoring, testing, and assurance

Security and Trust

- AI/ML-driven techniques for system and network security monitoring
- Intrusion detection, attack detection, and mitigation
- Monitoring privacy-preserving systems and encrypted traffic
- Trade-offs between performance, availability, and security in monitoring

Experimental and Practical Perspectives

- Non-intrusive instrumentation and lightweight monitoring tools
- Testbeds, benchmarking, and industrial-scale evaluations
- Standards, interoperability, and best practices in monitoring and observability
- Case studies and real-world deployment experiences

Authors should submit a paper to the main conference with maximum 10 pages in length, including all figures, tables, and references. However, authors can add up to 2 extra pages with the appropriate fee payment. Papers must be prepared using the Lecture Notes Style of Springer Proceedings (Please download from [HERE](#)), and must be formatted in PDF format.

Submission of papers can be done through EDAS in the following link:

<https://edas.info/newPaper.php?c=34048&track=132278>

For the accepted paper to be published, at least one of authors must register for the conference paper according to the AINA-2026 registration rules.

All accepted papers will be included in conference proceedings of Lecture Notes series published by Springer. Proceedings will be sent by Springer for indexing in SCOPUS.

Authors of accepted papers will be given instructions for submission of camera ready and copyright form. Presented papers at AINA-2026 will be considered for publication in some Special Issues in International Journals.

Important Dates:

Submission Deadline:	November 15, 2025
Authors Notification:	January 10, 2026
Final Manuscript:	January 25, 2026
Author Registration:	January 25, 2026
Conference Dates:	April 8 – April 10, 2026

NetSMM along with AINA 2026 will be held in a hybrid mode, meaning papers can be presented virtually.

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