

Call For Papers

8th IEEE/IFIP International Workshop on Analytics for Network and Service Management

AnNet 2023

May 8, 2023 in Miami, FL, USA



The 8th IEEE/IFIP International Workshop on Analytics for Network and Service Management (AnNet 2019) will be held in conjunction with the IEEE/IFIP Network Operations and Management Symposium (NOMS) in Miami FL, USA on May 8th – 12th, 2023.

Approaches such as statistical analysis, data mining, and machine learning are no longer promising mechanisms for the future, they are techniques that are actively used in real-world operational scenarios. These approaches harness the immense stream of data available in modern operations environments to actively improve the management of IT systems, networks, and services.

The primary goal of AnNet is to present research and work-in-progress results in data analytics and machine learning applied to the improvement of operations and management of IT systems and networks.

AnNet 2023 will include original full-paper presentations and short-paper sessions. Late-breaking advances and work-in-progress reports from ongoing research and experimental work are also encouraged.

TOPICS OF INTEREST

Authors are invited to submit papers that fall into or are related to one or multiple topic areas listed below:

Data Analytics

- Analysis, modeling and visualization
- Operational analytics and intelligence
- Event, log and big data analytics
- Network traffic analysis
- Anomaly detection and prediction
- Crowd sensing
- Monitoring and measurements for management
- Predictive and real-time analytics
- Harnessing social data for management

Machine Learning Techniques

- Supervised, semi-supervised, and unsupervised learning
- Clustering and data mining
- Reinforcement learning
- Multi-agent based learning
- Deep learning
- Bayesian methods
- Ensemble methods
- Cognitive computing
- Mining spatiotemporal and time series data

Network Management Paradigms

- Autonomous and autonomic networks
- Fog/edge computing
- In-network processing
- Bio-inspired networks and self-management
- Cognitive and software defined networks
- Network function virtualization
- Security, fault, performance, and resource management

Application Domains

- Computer networks
- Mobile ad-hoc and wireless sensor networks
- Clouds and data centers
- Virtualized infrastructures
- Internet of Things
- Computing and network services
- IT service management, storage resource management

PAPER SUBMISSION

Paper submissions must present original, unpublished research or experiences. Only original papers that have not been published or submitted for publication elsewhere can be submitted. Submissions must be written in English, accompanied by a 75 to 200 words abstract that clearly outlines the scope and contributions of the paper. There is a length limitation of 6 pages (including title, abstract, all figures, tables, and references) for regular papers, and 4 pages for short papers describing work in progress. Submissions must be in IEEE 2-column style.

Self-plagiarized papers will be rejected without further review.

Authors should submit their papers via JEMS:

https://jems3.sbc.org.br/noms_annot2023

PROCEEDINGS

Papers accepted for AnNet 2023 will be included in the conference proceedings, IEEE Xplore, IFIP database and EI Index. IFIP and IEEE reserve the right to remove any paper from the IFIP database and IEEE Xplore if the paper is not presented by one of its authors at the workshop. Awards will be presented to the best paper at the workshop.

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IMPORTANT DATES

- Paper Submission Deadline: **15th January 2023**
- Acceptance Notification: **1st March 2023**
- Camera-Ready Papers: **10th March 2023**
- Workshop Date: TBD

For more information, see <https://annet2023.moogsoft.com>