

Call for Papers

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

AnNet 2016

April 25, 2016 in Istanbul, Turkey



The IFIP/IEEE International Workshop on Analytics for Network and Service Management (AnNet 2016) will be held in conjunction with the IFIP/IEEE Network Operations and Management Symposium (NOMS) in Istanbul, Turkey, April 25-29, 2016.

Approaches such as statistical analysis, data mining, and machine learning are promising mechanisms to harness the immense stream of operational data and to improve operations and management of IT systems and networks. The main goal of AnNet is to present research and work-in-progress results in the area of data analytics and machine learning for network and service management. The workshop attendees will be stimulated to participate in interesting discussions. To this end, short papers describing late-breaking advances and work-in-progress reports from ongoing research are also welcome.

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 and log analytics
- Big data analytics
- Network traffic analysis
- Anomaly detection and prediction
- Monitoring and measurements for management
- Predictive analytics
- Real-time analytics
- Harnessing social data for management

Machine Learning Techniques

- Supervised learning
- Unsupervised learning
- Semi-supervised 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
- Bio-inspired networks
- Self* Management
- Cognitive defined networks
- Software defined networks
- Network function virtualization
- Security management
- Fault management
- Performance management
- Resource management

Application Domains

- Computer Networks
- Mobile ad-hoc networks
- 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Paper submissions must present original, unpublished research or experiences.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. Each submission 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://jems.sbc.org.br/annet2016>

PROCEEDINGS

Papers accepted for AnNet 2016 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 at the workshop.

WORKSHOP CO-CHAIRS

- Dr. Yixin Diao, IBM T. J. Watson Research Center, USA
- Dr. Nur Zincir-Heywood, Dalhousie University, Canada

STEERING COMMITTEE

- Prof. Filip De Turck, Ghent University, Belgium
- Prof. Mehmet Ulema, Manhattan College, USA
- Prof. Atay Ozgovde, Galatasaray University, Turkey

IMPORTANT DATES

- Paper Submission Deadline: **January 15, 2016**
- Acceptance Notification: **January 30, 2016**
- Camera-Ready Papers: **February 15, 2016**
- Workshop date: **April 25, 2016**

For more information, please see:

<https://projects.cs.dal.ca/projectx/AnNet2016/>