August 21, 2017
Los Angeles, CA, USA

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Big-DAMA '17

Proceedings of the 2017

Workshop on Big Data Analytics and Machine Learning for Data Communication Networks

Sponsored by:

ACM SIGCOMM

Part of:

SIGCOMM '17

Association for
Computing Machinery

Advancing Computing as a Science & Profession

The Association for Computing Machinery
2 Penn Plaza, Suite 701
New York, New York 10121-0701

ISBN: 978-1-4503-5054-9

Additional copies may be ordered prepaid from:
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New York, NY 10087-0777, USA

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ACM SIGCOMM Workshop on Big Data Analytics and Machine Learning for Data Communication Networks

Big-DAMA 2017

CHAIR'S WELCOME

The explosion in volume and heterogeneity of data communication network measurements opens the door to the massive application of machine learning and artificial intelligence technology in networking. While machine learning is today systematically and successfully applied in many other data-driven domains, its application is in an infancy stage of development in the networking domain. The ACM SIGCOMM Workshop on Big Data Analytics and Machine Learning for Data Communication Networks, **Big-DAMA**, fosters the research and development of novel analytical approaches and technical solutions that can exploit Big Data technology in the analysis of complex communication networks such as the Internet.

Big-DAMA 2017 accepted 9 technical papers out of 25, high-quality submissions. The paper review process included an evaluation phase by PC members, followed by an online discussion and a subsequent shepherding phase on selected papers. The resulting program features a variety of high-quality papers focusing on different aspects of machine learning and network measurements, including network security, network performance, big-data monitoring and user characterization. Big-DAMA 2017 also features three exciting talks from recognized researchers and practitioners in machine learning and network measurements domains, including:

What I Learned about Big Data Working with Biologists, Neuroscientists and Climate Scientists
Constantine Dovrolis (Georgia Tech)

Scaling BGP Big Data for Network Operations, SDN and Research
Tim Evens (Cisco)

Big Data Begets Big Data: Understanding Modern Datacenter Networks
Alex C. Snoeren (UC San Diego)

We believe that the application of machine learning and Big Data technology in the analysis of data communication networks has a major future, and we hope that all attendees will enjoy the excellent program and find a nice and constructive environment to discuss on this bright future.

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