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NetAI '19

Proceedings of the 2019

ACM SIGCOMM Workshop on Network Meets AI & ML

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Advancing Computing as a Science & Profession

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Message from the Workshop Chairs

Welcome to the Workshop on Network Meets AI & ML (NetAI) of ACM SIGCOMM 2019!

This workshop will provide a forum for networking researchers to present and share their latest research on building self-driving networks and coupling the technological advances in networking with scientific innovations in AI and ML. The NetAI workshop encourages reproducibility and allows authors to an additional page to explicitly discuss the reproducibility and interpretability of their solution.

A separate technical program committee reviewed all submissions to the workshop. During the review assignment process, conflicts of interests were avoided based on common ACM practice. In particular, submissions co-authored by one of the workshop co-chairs were handled by one of the other co-chairs.

When inviting members to the TPC, we tried to balance experts from academia and industry. Some of them have a strong background in network operation and AI/ML. We hope that the mix of the TPC does reflect not only the breadth of the community for topics but also the ambition of having a real-world impact based on excellent research. Furthermore, we explicitly tried to involve leading young researchers.

This year we received a total of 38 papers. Each paper received at least three reviews. After the submission of reviews, the TPC started online discussions. We explicitly solicited comments from the TPC when reviews showed a highly diverse rating. After the discussion phase, we selected 13 papers for presentation at the workshop.

Finally, our sincerest thanks to the authors of all submissions, for submitting their most recent insights into both networking for AI/ML and AI/ML for networking; to the steering committee for trusting us to shape this year's workshop program; to the program committee for their enthusiastic participation in the selection process; to Publication Chair Xin Jin for his patience and support while compiling the proceedings; and to Workshop Chairs Srinivasan Keshav and Lixia Zhang for their help and guidance.

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SIGCOMM 2019 NetAI PC Co-Chair
UC Santa Barbara, USA

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