October 25, 2019
Los Cabos, Mexico

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CHANTS '19

Proceedings of the 14th Workshop on Challenged Networks

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MobiCom 2019

Workshop Chairs:

Suzan Bayhan (University of Twente, Netherlands, TU Berlin, Germany)
Eirini Eleni Tsiropoulou (University of New Mexico, USA)

Association for
Computing Machinery

Advancing Computing as a Science & Profession

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1601 Broadway, 10th Floor
New York, NY 10019-7434

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ISBN: 978-1-4503-6933-6

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Printed in the USA

ACM CHANTS'19 Chairs' Welcome

It is our great pleasure to welcome you to the 14th Workshop on Challenged Networks – *CHANTS'19* co-located with ACM Mobicom 2019.

CHANTS'19 aims at bringing researchers together to have a platform for discussing the challenges emerging with new use cases and real-life applications, such as edge computing or autonomous driving, and corresponding innovative approaches in tackling the limitations of the challenged networks. Challenged networks comprise those situations where communication is desired, but traditional Internet architectures fail to provide it effectively. Such networks may be characterized by intermittent connectivity, a heterogeneous mix of nodes with diverse capabilities, frequent nodal churn, unpredicted humans' behavior, partial information availability, and widely varying network conditions.

Moreover, CHANTS'19 aims at providing another perspective to the broader audience by listing a subset of problems that communication networks, despite the advances on many fronts, still have to tackle. The expected outcomes of CHANTS'19 have the potential to influence industrial thinking about the technologies of next-generation challenged networks.

Following the call for papers, 10 submissions have been received. The program committee reviewed and accepted the following:

Venue or Track	*Reviewed*	*Accepted*	Acceptance ratio
Full Technical Papers	10	6	60%

We also encourage attendees to attend the keynote and invited talk presentations. These valuable and insightful talks can and will guide us to a better understanding of the future:

- Mobile Wireless Systems for Smart Mobility, *Ana Aguiar* (University of Porto, Portugal)
- Spectrum measurement and management for future spectrum-sharing networks, *Mariya Zheleva* (University at Albany – SUNY, USA)

We thank all authors for sharing their valuable research through their submitted papers. We are very grateful to each of our Steering Committee and Program Committee members for their continued support throughout the organization of the workshop. Thanks to our Program Committee members and their timely feedback and reviews of submissions, each submission received at least three reviews. We would like to also thank the Publicity and Web Chairs for their valuable contributions as well as the invited speakers for sharing their research and perspective.

Finally, we hope that you will find the workshop program interesting and stimulating by facilitating a lively discussion among the workshop participants.

Suzan Bayhan
CHANTS 2019 Program Committee Chair
University of Twente, The Netherlands
TU Berlin, Germany

Eirini Eleni Tsiropoulou
CHANTS 2019 Program Committee Chair
University of New Mexico, USA

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