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Ad Hoc Networks

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Preface

The EAI International Conference on Ad Hoc Networks (AdHocNets) is a major annual international event in the ad hoc networking community. This year's AdHocNets conference was held in Niagara Falls, Ontario, Canada, eight years after its inauguration in the same city. The aim of the AdHocNets conferences is to provide a forum to bring together researchers from academia and industry as well as government to meet and exchange ideas and discuss recent research work on all aspects of ad hoc networking.

Over the last two decades, many efforts have been devoted to producing enormous contributions addressing the fundamental issues of ad hoc networking including modeling, protocol and algorithm design, security architectures and mechanisms, etc. Recent development in this area has focused more on addressing the challenges related to real and commercial applications including the Internet of Things (IoT), smart grid, and device-to-device (D2D) communications in 5G mobile systems. All these aim to extend the huge potentials of ad hoc networking beyond experiments and laboratories.

This volume of LNICST includes all the technical papers presented at AdHocNets 2017, which includes regular papers as well as invited papers from renowned researchers in this field. The invited papers provide visions, trends, challenges, and opportunities in the area of ad hoc networking and its applications. It is our hope that the proceedings will be a useful and timely reference for researchers in their effort to understand the real-world challenges for ad hoc networking, and to develop innovative solutions in addressing these challenges.

September 2017

Yifeng Zhou
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