

# About the Conference

IEEE Technically Sponsored Future Technologies Conference (FTC) 2017 is a second research conference in the series. This conference is a part of SAI conferences being held since 2013. The conference series has featured keynote talks, special sessions, poster presentation, tutorials, workshops, and contributed papers each year.

The goal of the conference is to be a world's pre-eminent forum for reporting technological breakthroughs in the areas of Computing, Electronics, AI, Robotics, Security and Communications.

FTC 2017 is held at Pan Pacific Hotel Vancouver.

The Pan Pacific luxury Vancouver hotel in British Columbia, Canada is situated on the downtown waterfront of this vibrant metropolis, with some of the city's top business venues and tourist attractions including Flyover Canada and Gastown, the Vancouver Convention Centre, Cruise Ship Terminal as well as popular shopping and entertainment districts just minutes away. Pan Pacific Hotel Vancouver has great meeting rooms with new designs. We chose it for the conference because it's got plenty of space, serves great food and is 100% accessible.

Venue Name: Pan Pacific Hotel Vancouver  
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# Preface

FTC 2017 is a recognized event and provides a valuable platform for individuals to present their research findings, display their work in progress and discuss conceptual advances in areas of computer science and engineering, Electrical Engineering and IT related disciplines. FTC 2017 builds on the success of previous SAI Conferences held in San Francisco and London, UK.

This conference not only presents state of the art methods and valuable experiences from researchers in the related research areas – it also provides the audience with a vision of future developments in the field. It highlights the precarious state of privacy resulting from expanded forms of surveillance, and the much-needed response to embed both privacy AND security into the design of all systems and operations.

FTC 2017 is technically co-sponsored by the IEEE Vancouver section. The program committee represented many countries in the 5 continents and authors submitted 525 papers. This certainly attests to the widespread, international importance of the theme of the conference. Each paper has been reviewed on the basis of originality, novelty and rigorousness. After the reviews, 188 were accepted and 160 are finally being published in this proceedings.

The event was a two day program comprised of keynotes, paper presentations, poster presentations and project demonstrations. The themes of the contributions and scientific sessions ranged from theories to applications, reflecting a wide spectrum coverage of computer science and engineering, and their related IT fields. In addition to the papers and posters published in these proceedings, the conference program included keynote speeches by renowned distinguished speakers: Prof. Mohammad S. Obaidat, Ann Cavoukian, Kevin Leyton-Brown, James Hendler, John Martinis and Peter Mueller.

We are tremendously grateful for the contributions and support received from authors, participants, keynote speakers, program committee members, session chairs, organizing committee members, steering committee members, conference secretariat, and others in their various roles. Their valuable support, suggestions, dedicated commitment and hard work have made FTC 2017 successful. Finally, we would like to thank the conference's sponsors and partners: IEEE Vancouver Section and Master of Engineering Leadership UBC.

It has been a great honor to serve as the General Chair for FTC 2017 and to work with the conference team. We believe this event will help further disseminate new ideas and inspire more international collaborations.

Enjoy the program and your stay in the beautiful city of Vancouver!

Kind Regards,

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Distinguished Expert-in-Residence,  
Privacy by Design Centre of Excellence (Ryerson University),  
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Mohammad S. Obaidat,  
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