2015 IEEE 14th Canadian Workshop on Information Theory (CWIT 2015)

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Program

Welcoming Reception

Plenary Speaker: Monique Morrow, CTO CISCO Services

The Making of a 21st Century Technology Leader

Coffee Break

Invited Speakers Session I (1): Milica Stojanovic, Northeastern University, USA

Underwater Wireless Communication: An Overview of Challenges and Recent Results

Invited Speakers Session I (2): Sarah Katie Wilson, Santa Clara University, USA

Shine a Light: Optical Wireless Communications

Invited Speakers Session I (3): Alex Alvarado, University College, London, UK

Coding and Modulation for Optical Communication Systems

Lunch Break

Coding Theory

Signal Detection for Ambient Backscatter System with Multiple Receiving Antennas
Zhen Ma, Tengchan Zeng and Gongpu Wang (Beijing Jiaotong University, P.R. China); Feifei Gao (Tsinghua University, P.R. China)
pp. 50-53

Effect of Interference of Full-Duplex Transmissions in Underlay Device-to-Device Communication
Samad Ali and Nandana Rajatheva (University of Oulu, Finland); Matti Latva-aho (UoOulu, Finland)
pp. 54-57

Technologies for Future Broadband Wireless Evolution
Doru Calin (Bell Labs, Alcatel-Lucent, USA)
pp. 58-61

Lunch Break

Invited Speakers Session II (1): Shu Lin, University of California, Davis

A Broader View of the Superposition Construction of LDPC Codes

Invited Speakers Session II (2): Sofiène Affes, INRS, Canada

Efficient Distributed Collaborative Beamforming Designs for Real-World Applications

Invited Speakers Session II (3): Andrew Eckford, York University, Canada

Information Theory in Intercellular Signal Transduction

Coffee Break

Industry-Academia Invited Panel: The Roadmap for Open innovation

Moderator: Ray Gosine, Memorial University, Canada. Academia: Vijay Bhargava, UBC, Canada; Milica Stojanivic, Northeastern University, USA; Katie Wilson, Santa Clara University, USA. Industry: Dragos Cristea, Ciena, Canada; Doru Calin, Bell Labs, Alcatel-Lucent, USA; Monique Morrow, Cisco Services; Mark Newell, Altera NL, Canada.

Workshop Banquet

Plenary Speaker: Vahid Tarokh, Harvard University

Some Applications of The Theorem of Fisher-Tippett-Gnedenko

Coffee Break

Applications of Coding and Information Theory (Poster 1)

Digital Signal Processing and Its Applications

Communication Systems

Coffee Break

Applications of Coding and Information Theory (Poster 3)