

2017 IEEE COMMUNICATION THEORY WORKSHOP

June 11-14, 2017
Natadola Bay, FIJI

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IEEE CTW 2017

The workshop will be held at the superb Intercontinental Resort on the beautiful Natadola bay in tropical Fiji from June 11-14, 2017. Natadola bay is around 60 km from Nadi International Airport and is one of the many breathtaking tourist destinations within Fiji.

The continued success of this annual workshop lies in its informal and highly interactive atmosphere. The goal of this year's workshop is to explore research at the intersection of theory and practice. Participants will include experts from both industry and academia. A focus of the workshop will be on broad discussion of the future of communications. As always, the workshop will be single track, with five technical sessions, three plenary speakers, two panel discussions, and a poster session focused on hot topics (see below).

Call for Hot Topics Posters

The technical program committee is soliciting contributions for an afternoon poster session devoted to recent results. We especially encourage students and junior researchers to participate. There will be no published proceedings. Any contribution in the general area of communication theory is welcome.

Extended abstracts (2 pages maximum, double column, IEEE style) for the poster session should be submitted with **CTW 2017** in the subject to Jamie Evans at jse@unimelb.edu.au and/or Philippa Martin at philippa.martin@canterbury.ac.nz.

Electronic submissions must be in PDF format and provide sufficient details for careful reviewing.

Important Dates

March 20, 2017
March 24, 2017

Extended abstract submission deadline
Acceptance notification

Sponsors

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Conference Website

<http://www.ieee-ctw.org/>

Preliminary Technical Program Schedule

<p>Sunday June 11</p> <p>06:30 pm Cocktail Reception</p> <p>Monday June 12</p> <p>Keynote 1</p> <p>08:30 am <i>Reinaldo Valenzuela</i> (Nokia-Bell Labs)</p> <p>Session 1. Communication-theoretic aspects of big data infrastructure Chair: <i>Salman Avestimehr</i></p> <p>09:20 am <i>Babak Hassibi</i> <i>Kannan Ramchandran</i></p> <p>10:30 am Coffee break</p> <p>11:00 am <i>Gauri Joshi</i> <i>Salman Avestimehr</i></p> <p>12:10 pm Lunch</p> <p>Session 2. Machine Learning for future communications networks Chair: <i>David Gesbert</i></p> <p>03:15 pm <i>Robert Heath Jr</i> <i>Michele Zorzi</i> <i>David Gesbert</i></p> <p>05:00 pm Coffee break</p> <p>Panel Session 1. “What will IoT be? Is unlicensed wide-area IoT doomed? Is uplink-dominated IoT wrong? Will the multi-service operators triumph over all others? ” Chair: <i>Petar Popovski</i></p> <p>05:20 pm Panel Members: <i>Petar Popovski, Chih Lin I, Seong-Lyun Kim, TBA, TBA</i></p> <p>06:20 pm Posters and cocktails</p> <p>Tuesday June 13</p> <p>Keynote 2</p> <p>08:30 am <i>Mike Honig</i> (Northwestern University)</p>	<p>Session 3. Starting up with Communication Theory Chair: <i>Anton Monk</i></p> <p>09:20 am <i>Andrea Goldsmith</i> <i>Alex Grant</i></p> <p>10:30 am Coffee break</p> <p>11:00 am <i>Mark Pinto</i> <i>Sriram Vishwanath</i></p> <p>12:10 pm Lunch</p> <p>Session 4. Quantum Communications Chair: <i>Jack Winters</i></p> <p>03:15 pm <i>Lajos Hanzo</i> <i>Robert Malaney</i> <i>Jack Winters</i></p> <p>05:00 pm Coffee break</p> <p>Panel Session 2. “How relevant is Communication Theory to Spectrum Policy? - Should communication theorists be more involved in policy debates or leave this for the lawyers?” Chair: <i>Randall Berry</i></p> <p>05:20 pm Panel Members: <i>Randall Berry, Danijela Cabric, Anant Sahai, TBA, TBA</i></p> <p>06:20 pm Break</p> <p>07:30 pm Banquet</p> <p>Wednesday June 14</p> <p>Keynote 3</p> <p>08:30 am <i>Alex Gorokhov</i> (Qualcomm)</p> <p>09:20 am <i>Petar Popovski</i></p> <p>09:50 am Coffee Break</p> <p>Session 5. New Frontiers in Wireless Networking Chair: <i>Andrea Goldsmith</i></p> <p>10:10 am <i>Gerhard Fettweis</i> <i>Muriel Medard</i> <i>Elza Erkip</i></p> <p>11:40 am Coffee Break</p> <p>12:00 pm <i>Jeff Andrews</i> <i>Shuguang Cui</i></p> <p>01:00 pm Concluding Remarks, Close</p>
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