



CALL FOR PAPERS

2016 Australian Communications Theory Workshop (AusCTW'16)

Melbourne, Victoria
20 - 22 January 2016

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Workshop Announcement

Monash University is pleased to host the 16th Australian Communications Theory Workshop. The workshop will bring together researchers and post-graduate students in physical layer communications and information theory for two and a half days of technical presentations, tutorials and networking. Past workshops have provided formal and informal environments to successfully foster collaborative research.

Invited Talks

Invited talks will be given by leading researchers and outstanding graduate students.

Peer Reviewed Contributed Papers

Papers presenting original and unpublished contributions are solicited (maximum length is 6 pages). All contributed papers will be subject to peer review. Topics of interest include, but are not limited to:

- coded modulation
- coding theory and practice
- communication systems
- channel modelling
- detection and estimation
- ultra-wide band communications
- OFDM & DMT processing techniques
- blind signal separation techniques
- information theory and statistics
- network coding
- compressed sensing
- iterative decoding algorithms
- multiuser detection
- cross-layer PHY-MAC-NET optimisation
- DSP for communications
- molecular, biological and multi-scale communications

We are pleased to announce technical co-sponsorship by the IEEE Information Theory Society ACT Section IT Chapter. All accepted papers are to be presented as posters during the conference. Accepted and appropriately presented papers will appear in full in the conference proceedings and will be submitted to IEEE*Xplore* for archival. Please see conference website (<http://ausctw2016.eng.monash.edu/>) for paper submission details.

Non-Peer Reviewed Contributions

To facilitate maximum participation, all attendees are invited to present a poster at the workshop for which only an abstract need be submitted. Abstracts are *not* subject to peer review and appear in the workshop *book of abstracts*. Please see conference website for abstract submission details.

2016 Australian Information Theory School

The 2016 Australian Information Theory School will be held at the same venue on 17-19 January 2015. Please see conference website for registration details (<http://ausits2016.eng.monash.edu/>).

Key Dates

Paper submission deadline:
Friday, October 16, 2015

Notification of decisions:
Friday, November 20, 2015

Camera-ready papers due:
Friday, December 18, 2015

Poster abstracts due:
Friday, December 18, 2015

Early registration closes:
Friday, January 8, 2015



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