



ITW 2014



IEEE Information Theory Workshop

Hobart, Tasmania, Australia | 2-5 November



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The 2014 IEEE Information Theory Workshop will take place 2-5 November in Hobart, Tasmania at the Hobart Function And Conference Centre. The Australian island of Tasmania varies geographically from old-growth forests and grasslands to mountains and volcanic lakes, supporting unparalleled biodiversity, with many flora and fauna species unique to the island. Tasmania's rugged wilderness offers ample opportunities for hiking, bushwalking, kayaking, swimming and scuba. Hobart is Australia's second-oldest city, where historic buildings and districts stretch along the Derwent River. A burgeoning art and restaurant scene are complemented by fresh local seafood and established wineries.

Call for Papers

ITW2014 is a forum for technical exchange among scientists and engineers working on the fundamentals of information theory. The agenda is broad and will cover the diverse topics that information theory presently impacts. There will be both invited and contributed sessions. Papers for the contributed sessions are solicited in, but not limited to, the following areas:

- Source coding
- Distributed source and channel coding
- Joint source and channel coding
- Coding for wireless systems
- Coding for sensor and ad-hoc networks
- Coding and biology
- MIMO and space-time coding
- Graph-based codes and iterative decoding
- Cooperation in wireless systems
- Sequences and coding
- Secure communication and cryptography
- Compressed sensing
- Coding applications: optical communications, smart grid, underwater, etc.
- Information theoretic security

Paper Submission

Interested authors are invited to submit previously unpublished contributions. Papers for the contributed sessions, not exceeding five pages, should be submitted according to the directions which will appear on the conference website:

itw2014.jaist.ac.jp

The ITW proceedings will be published by the IEEE and will be available on IEEE *Xplore*.

ISITA2014 will be held nearby in Melbourne, Australia on 26-29 October 2014

Schedule

Paper submission deadline: 4 May 2014
Acceptance notification: 27 July 2014
Final paper submission: 17 August 2014

Plenary Speakers

ITW2014 will include three plenary talks:

Emina Soljanin, Bell Labs
Martin Wainwright, UC Berkeley
Girish Nair, University of Melbourne

