



### General Co-chairs

Ezio Biglieri  
Emanuele Viterbo

### TPC Co-chairs

Daniel Costello  
Alex Grant

### TPC Members

J.-C. Belfiore (ENST-France)  
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J. Boutros (Texas A&M Qatar-US)  
G. Caire (USC - USA)  
M.O. Damen (Univ. Waterloo - Canada)  
D. Forney (MIT-USA)  
A. Goldsmith (Stanford-USA)  
A. Graell i Amat (GET/ENST Fr)  
T. Ho (CalTech - USA)  
M. Honig (Northwestern - USA)  
J. Huber (Erlangen-Nürnberg - DE)  
J. Kliewer (NMSU - USA)  
V.J. Kumar (USCa - USA)  
A. Lapidoth (ETH - Swiss)  
N. Laneman (Notre Dame - USA)  
C. Ling (Imperial Collage - UK)  
D. Lun (UniSA - Australia)  
M. Lops (Univ. Cassino - Italy)  
A. Montanari (Stanford - USA)  
R. Mueller (NTNU - Norway)  
V. Poor (Princeton - USA)  
B. Rimoldi (EPFL Swiss)  
J. Romberg (GaTech - USA)  
S. Shamai (Technion-Israel)  
E. Soljanin (Bell Labs - USA)  
D. Tuninetti (UIC - USA)  
A. Vardy (UCSD - USA)  
G. Wornell (MIT - USA)

The **2009 IEEE Information Theory Workshop** (ITW 2009) will take place on **October 11-16, 2009** in Taormina, Sicily, Italy. Taormina is a world-famous tourist resort, endowed with a rare charm and atmosphere, whose fame is strictly related to the strong peculiarity of its setting. The main reason is the numerous stratifications of civilizations that have followed each other here since the VIII century B.C.

Taormina is about 50km from **Catania International Airport**, which offers direct flight connections to many Italian and European cities. The conference venue is the **Hotel Villa Diodoro\*\*\*\***, located near the Greek theatre.

The workshop will include regular and poster sessions covering the following topics:

- 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

Papers up to 5 pages should be submitted by **April 5, 2009**, following the guidelines on the workshop webpage. Authors will be notified of acceptance decisions by July 12, 2009. The final version, to be published in the workshop proceedings, will be due by August 9, 2009.

Further information regarding the technical and social programs, workshop registration, and hotel accommodations will be posted on the workshop website at: <http://www.deis.unical.it/itw2009>

### INVITED SESSIONS

Information Theoretic Security  
Graph-Based Codes and Iterative Decoding  
Cooperative Wireless Networks  
Compressed Sensing  
Bioinformatics

### PLENARY SPEAKERS

*Information Theoretic Security* Steve McLaughlin  
*Graph-Based Codes: Pascal Vontobel*  
*Cooperative Wireless Networks* Muriel Medard  
*Compressed Sensing* Helmut Boelcskei  
*Bioinformatics* Joachim Hagenauer

### BEST PAPER AWARD

for the best paper selected for poster presentation

### PANEL DISCUSSION

Organizer: Andrea Goldsmith  
*Challenges Posed to Information Theory by Emerging Telecommunications Standards and Technologies*

**Treasurer**  
Giorgio Taricco

**Local organization**  
Gianluca Aloï

**Publications**  
Elza Erkip

**Web**  
Pasquale Pace

**Publicity**  
Yi Hong

**Secretariat**  
Stilema