2011 IEEE Information Theory Workshop

(ITW 2011)

Paraty, Brazil
16 – 20 October 2011

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Program

Sunday, October 16

Opening ceremony - Welcome cocktail

Monday, October 17

P1: Plenary Talk: Recent Advances in Sphere Packing - Neil J. A. Sloane

I1A: Invited Session I: Coding Theory

Organizer: Frédérique Oggier

I1B: Invited Session II: Compressed Sensing

Organizer: Olgica Milenkovic

Coffee Break

S1A: Coding Theory and Practice I

S1B: Physical-layer Security I

S1C: Information Theory in Biology

Lunch

S2A: Multi-terminal Information Theory I

S2B: Coding for Wireless Systems

S2C: Sequences and Complexity

Coffee Break

S3A: Shannon Theory

S3B: Codes, Lattices and Cryptography I

S3C: Quantum Information Theory

Board Meeting

Tuesday, October 18

P2: Plenary Talk: Codes for distributed storage systems - Kannan Ramchandran

S4A: Graph-based Codes and Iterative Decoding

S4B: Codes, Lattices and Cryptography II

S4C: Communication Theory I

Coffee Break

S5A: Coding Theory and Practice II

S5B: Communication Theory II

S5C: Signal Processing

Lunch

Excursion

Wednesday, October 19

P3: Plenary Talk: Jet list decoding - Daniel J. Bernstein

I2A: Invited Session III: Codes, Lattices and Cryptography

Organizer: Paulo Barreto

I2B: Invited Session IV: Multi-Terminal Information Theory

Organizer: Suhas Diggavi

Coffee Break

S6A: Multi-terminal Information Theory II

S6B: Source Coding

S6C: Coding Theory and Practice III

Lunch

S7A: Coding Theory and Practice IV

S7B: Network Coding

S7C: Compressed Sensing

Coffee Break

S8A: Network Information Theory

S8B: Information Theory and Statistics

S8C: Cryptography and Data Security

Banquet

Thursday, October 20

I3A: Invited Session V: Graph-Based Codes and Iterative Decoding

Organizer: Daniel Costello

I3B: Invited Session VI: Physical- layer Security

Organizer: Matthieu Bloch

S9A: Coding Theory and Practice V

S9B: Multi-terminal Information Theory III

S9C: Physical-layer Security II

Coffee Break

Panel: New Perspectives for Information Theory

Chair: Sergio Verdú