Proposal to the BoG of the IT Society:

ITW2007 at Lake Tahoe
Organization

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The University of Arizona, U.S.A.

Krishna Narayanan
Texas A&M University, U.S.A.

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Dan Costello, Notre Dame
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Theme

Research Frontiers in Coding

Topics

• Channel coding
• Source coding
• Joint source-channel coding
• Network coding
• Constrained coding
• Coding for wireless systems
• Coding in computer science and biology
• Decoder complexity
• Analog decoding
• Dynamics of iterative algorithms
• Applications of coding
Dates

Sunday, September 2, 2007
through
Thursday, September 6, 2007
(Monday, September 3, 2007 is Labor Day)

Weather

~ 75 deg-F day, ~55 deg-F at night

~ 24 deg-C day, ~13 deg-C at night
Technical Program

Summary

Sunday
• 6pm-9pm: Opening Reception and Registration

Monday - Thursday
• Number of 1-hour invited tutorial talks: 2
• Number of 1-hour panel discussions: 2
• Number of 25-minute invited talks: 20
• Number of 20-minute open-call talks: 32
• Banquet on Wednesday
• Closing Reception on Thursday

Friday
• Free to enjoy Lake Tahoe

Subject to adjustment
## Monday Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-08:30</td>
<td>Registration</td>
</tr>
<tr>
<td>08:30-12:10</td>
<td>Morning sessions</td>
</tr>
<tr>
<td>08:30-09:30</td>
<td>Invited Tutorial Talk on TBD</td>
</tr>
<tr>
<td>09:40-10:30</td>
<td>Two 25-minute invited talks</td>
</tr>
<tr>
<td>10:30-10:50</td>
<td>Break</td>
</tr>
<tr>
<td>10:50-12:05</td>
<td>Three 25-minute invited talks</td>
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<tr>
<td>12:05-1:30</td>
<td>Lunch</td>
</tr>
<tr>
<td>1:30-16:30</td>
<td>Afternoon session</td>
</tr>
<tr>
<td>1:30-15:00</td>
<td>Four 20-minute talks</td>
</tr>
<tr>
<td>15:00-15:20</td>
<td>Break</td>
</tr>
<tr>
<td>15:20-16:40</td>
<td>Four 20-minute talks</td>
</tr>
</tbody>
</table>

Daily agendas are subject to adjustment.
Tuesday Agenda

08:00-08:30  Registration
08:30-12:10  Morning sessions
   08:30-09:30  Panel Discussion on TBD
   09:40-10:30  Two 25-minute invited talks
   10:30-10:50  Break
   10:50-12:05  Three 25-minute invited talks
12:05-1:30   Lunch
1:30-16:30   Afternoon session
   1:30-15:00  Four 20-minute talks
   15:00-15:20  Break
   15:20-16:40  Four 20-minute talks
Technical Program

Wednesday Agenda

08:00-08:30 Registration
08:30-12:10 Morning sessions
   08:30-09:30 Invited Tutorial Talk on TBD
   09:40-10:30 Two 25-minute invited talks
   10:30-10:50 Break
   10:50-12:05 Three 25-minute invited talks
12:05-1:30 Lunch
1:30-16:30 Afternoon session
   1:30-15:00 Four 20-minute talks
   15:00-15:20 Break
   15:20-16:40 Four 20-minute talks
18:30-21:00 Banquet
Technical Program

Thursday Agenda

08:00-08:30  Registration
08:30-12:10  Morning sessions
    08:30-09:30  Panel Discussion on TBD
    09:40-10:30  Two 25-minute invited talks
    10:30-10:50  Break
    10:50-12:05  Three 25-minute invited talks
12:05-1:30   Lunch
1:30-16:30   Afternoon session
    1:30-15:00  Four 20-minute talks
    15:00-15:20  Break
    15:20-16:40  Four 20-minute talks
Technical Program

Candidate Tutorial Talk Topics

• network coding
• iterative decoding on graphs with cycles
• soft decoding of RS codes
• universal compression of memoryless sources over unknown alphabets (Alon Orlitsky)

Candidate Panel Discussion Topics

• The present and future of coding
• The present and future of joint source-channel coding
Location

Granlibakken
CONFERENCE CENTER & LODGE • LAKE TAHOE

725 Granlibakken Road
Tahoe City, CA 96145

Round trip shuttle from Reno/Tahoe International Airport: $70/person round trip

About 1 hour drive from Reno Tahoe International Airport (RNO)

Airlines: American, Alaska, Aloha, America West, Continental, Frontier, Northwest, SkyWest, Southwest, United
Granlibakken Conference Center

- Conference space adaptable: set to 15 sq-ft/person
- Free wireless internet connections
- Free internet booths
- Pens, pencils, paper, microphones provided
- LCD projector $200/day
Granlibakken Accommodations

- **Standard Bedroom** (2 twin or double beds or king)
- **Townhouse** - full kitchen, living room, fireplace (1, 2 & 3 bedroom + loft)
- **Studio** - full kitchen, fireplace, living room (2 twins or queen Murphy bed)
- **Executive Lodge Bedroom** (2 doubles or king)
Granlibakken Recreation

Swimming pool, sauna, hot tub, par golf, course, tennis

The Conference Services Department is available to assist on a group basis planning for: river rafting, lake cruises, golf, mountain biking, hiking, para-sailing, and more.
Granlibakken Conference Rate Package

Rates based on an estimate of 70 Workshop participants and 35 spouses.
Rates below include 20% for Tax and Service

**Workshop participants:**

**Standard Rooms** (Standard bedroom or room in Townhouse)
- Double Occupancy $183.60 per participant, per day
- Single Occupancy $241.20 per participant, per day

**Deluxe Rooms** (Studio or room in Executive Lodge)
- Double Occupancy $208.80 per participant, per day
- Single Occupancy $290.40 per participant, per day

**Spouses:** $60 per day

**Package includes:**
- Three full meals per day
- Meeting facilities (conference room, microphone, pen/pencil/paper)
- Standard audio visual equipment (LCD projector $200/day - we can bring our own)
- Coffee breaks (cookies, etc. at an extra charge)
- Complimentary cocktail 1/2-hour per night booked

**Examples:**
1. Participant with non-participating spouse: $241.20 + $60
2. Participant with participating spouse: $183.60 x 2
# Preliminary Budget

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount in US $</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facilities (conf. rooms, equipment, internet)</td>
<td>0</td>
</tr>
<tr>
<td>Advertisement</td>
<td>2000</td>
</tr>
<tr>
<td>Materials (CD proceedings - TBD)</td>
<td>0</td>
</tr>
<tr>
<td>Banquet extras</td>
<td>5250</td>
</tr>
<tr>
<td>Breaks, etc.</td>
<td>2000</td>
</tr>
<tr>
<td>Contingencies</td>
<td>5000</td>
</tr>
<tr>
<td><strong>Total expenses</strong></td>
<td><strong>14,250</strong></td>
</tr>
<tr>
<td>70 registrations at US$275 (70 is conservative)</td>
<td>19,250</td>
</tr>
<tr>
<td>External funding sponsorships (to be obtained)</td>
<td>5000</td>
</tr>
<tr>
<td><strong>Total receipts</strong></td>
<td><strong>24,250</strong></td>
</tr>
<tr>
<td><strong>Projected Surplus</strong></td>
<td><strong>10,000</strong></td>
</tr>
</tbody>
</table>
Lake Tahoe

Health clubs
Spas - Hot springs, massage,…
Shopping
Lake cruises
Sightseeing
Tours
Boating
Camping
Fishing
Golfing
Tennis
Biking
Hiking
Casinos
Night life
Tahoe Amusement Park
Lake Tahoe (cont'd)
Lake Tahoe (cont'd)