



Proposal to the BoG of the IT Society:  
**ITW2007 at Lake Tahoe**

# Organization

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The University of Arizona, U.S.A.

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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

# Technical Program

## Monday 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

Daily agendas are  
subject to adjustment

# Technical Program

## 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

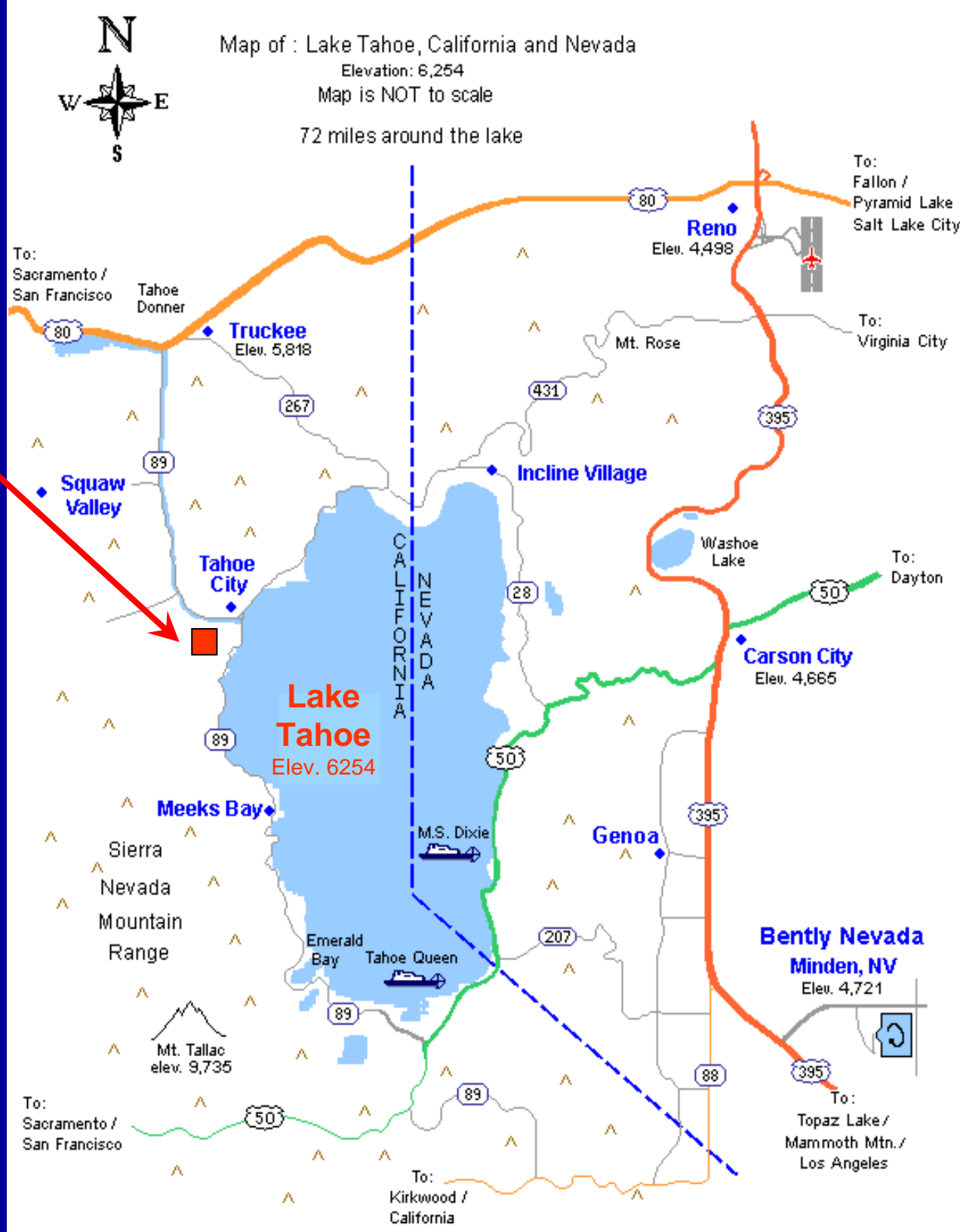


725 Granlibakken Road  
Tahoe City, CA 96145

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

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

# 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)

