PROGRAM

Data Compression Conference (DCC 2011)

Sponsored by Brandeis University
Proceedings published by IEEE Conference Publishing Services (CPS)

Snowbird, Utah
March 29-31, 2011

PROGRAM COMMITTEE

James A. Storer, *Brandeis University* **(DCC Chair)**
Michael W. Marcellin, *University of Arizona* **(Committee Chair)**
Henrique Malvar, *Microsoft* **(Submissions Chair)**
James E. Fowler, *Mississippi State University* **(Publicity Chair)**
Alberto Apostolico, *Georgia Institute of Technology / Università di Padova*
Ali Bilgin, *University of Arizona*
Charles D. Creusere, *New Mexico State University*
Hanying Feng, *Brion Technologies*
Vivek Goyal, *Massachusetts Institute of Technology*
Robert M. Gray, *Stanford University*
Hamid Jafarkhani, *University of California Irvine*
Tamas Linder, *Queen's University*
Giovanni Motta, *Google, Inc.*
Gonzalo Navarro, *University of Chile*
Majid Rabbani, *Eastman Kodak Co.*
Yuriy Reznik, *Qualcomm*
Serap Savari, *Texas A&M University*
Khalid Sayood, *University of Nebraska*
Gadiel Seroussi, *HP Laboratories*
Joan Serra-Sagrista, *Universitat Autonoma Barcelona*
Dana Shapira, *Ashkelon Academic College*
Dafna Sheinwald, *IBM Haifa Lab*
Jiangtao Wen, *Tsinghua University*
Gregory W. Wornell, *MIT*
Feng Wu, *Microsoft Research Asia*

SCHEDULE OVERVIEW:

Monday Evening, March 28:
Registration and Reception

Tuesday, March 29:
Morning: Technical Sessions 1, 2
Mid-Day: Invited Presentation
Afternoon: Technical Sessions 3, 4

Wednesday, March 30:
Morning: Technical Sessions 5, 6
Mid-Day: Technical Session 7
Afternoon: Poster Session and Reception

Thursday, March 31:
Morning: Technical Sessions 8, 9, 10

MONDAY EVENING
Registration / Reception, 7:00-10:00pm (Golden Cliff Room)

TUESDAY MORNING

SESSION 1

Break: 10:00am - 10:20am

SESSION 2

Lunch Break: 12:00noon - 2:30pm

TUESDAY MID-DAY INVITED PRESENTATION
2:30pm - 3:30pm

The MobileASL Project

Eve Riskin (University of Washington)

The MobileASL project at the University of Washington and Cornell University developed software and algorithms to enable real-time video sign language communication over the current 3G U.S. cellular network at 30 kbps on an off-the-shelf cell phone. This talk describes the MobileASL technology, including algorithms specifically for ASL video to measure ASL intelligibility, extend cell phone battery life, and improve video quality at very low bit rates. We will also describe results from a pilot field study with MobileASL from Summer 2010 with eleven Deaf and Hard-of-Hearing individuals in Seattle.

Break: 3:30 - 4:00pm

MONDAY AFTERNOON

SESSION 3

Break: 5:20 - 5:40pm

SESSION 4

WEDNESDAY MORNING

SESSION 5

Break: 10:00am - 10:20am

SESSION 6

Lunch Break: 12:00pm - 2:30pm

WEDNESDAY MID-DAY

SESSION 7

Break: 4:10pm - 4:30pm

WEDNESDAY AFTERNOON
POSTER SESSION AND RECEPTION

4:30-7:30pm

In the Golden Cliff Room

(Titles are listed at the end this program;
abstracts of each presentation appear in the proceedings.)

THURSDAY MORNING

SESSION 8

Break: 9:20am - 9:40am

SESSION 9

Break: 10:40am - 11:00am

SESSION 10

Poster Session

(listed alphabetically by first author)