www.cs.brandeis.edu/~dcc

PROGRAM

Data Compression Conference (DCC 2014)

Sponsored by U. Arizona, Brandeis U., Microsoft Research, IEEE Signal Processing Society
Proceedings published by IEEE Computer Society Conference Publishing Services (CPS)

Snowbird, Utah
March 26 - 28, 2014

PROGRAM COMMITTEE

Michael W. Marcellin, *University of Arizona* **(DCC Co-Chair)**
James A. Storer, *Brandeis University* **(DCC Co-Chair)**
Ali Bilgin, *University of Arizona* **(Committee Co-Chair)**
Joan Serra-Sagrista, *Universitat Autonoma de Barcelona* **(Committee Co-Chair)**
Henrique Malvar, *Microsoft Research* **(Publications Chair)**
James E. Fowler, *Mississippi State University* **(Publicity Chair)**
Alberto Apostolico, *Georgia Institute of Technology / Università di Padova*
Charles D. Creusere, *New Mexico State University*
Travis Gagie, *University of Helsinki*
Vivek Goyal, *Massachusetts Institute of Technology*
Hamid Jafarkhani, *University of California Irvine*
Yuval Kochman, *Hebrew University*
Giovanni Motta, *Google, Inc.*
Gonzalo Navarro, *University of Chile* **(Special Session Chair - Compressed Data Structures)**
Jan Ostergaard, *Aalborg University*
Antonio Ortega, *University of Southern California*
Majid Rabbani, *Eastman Kodak Co.* **(Special Session Co-Chair - Visual Search)**
Yuriy Reznik, *InterDigital, Inc.* **(Special Session Co-Chair - Visual Search)**
Thomas Richter, *University of Stuttgart*
Serap Savari, *Texas A&M University*
Khalid Sayood, *University of Nebraska*
Dana Shapira, *Ashkelon Academic College*
Dafna Sheinwald, *IBM Haifa Lab*
Gary J. Sullivan, Microsoft Corporation
Jiangtao Wen, *Tsinghua University*
Gregory W. Wornell, *Massachusetts Institute of Technology*
Ji-Zheng Xu, *Microsoft Research Asia*
En-Hui Yang, *University of Waterloo*
Yan Ye, *Interdigital, Inc.*

SCHEDULE OVERVIEW:

Tuesday Evening, March 25:

Registration and Reception (7pm - 10pm)

Wednesday, March 26:

Morning:	Technical Sessions 1, 2	(8:00am - 11:20pm)
Mid-Day:	Technical Session 3	(2:30pm - 3:30pm)
Afternoon:	Technical Sessions 4, 5	(4:00pm - 6:20pm)

Thursday, March 27:

Morning:	Technical Sessions 6, 7	(8:00am - 11:40am)
Mid-Day:	Invited Presentation	(2:30pm - 3:30pm)
Afternoon:	Poster Session and Reception	(4:00pm - 7:00pm)

Friday, March 28:

Morning:	Technical Sessions 8,9,10	(8:00am - 12:20pm)

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

WEDNESDAY MORNING

SESSION 1 - Special Session On Visual Search

Break: 9:20am - 9:40am

SESSION 2

Lunch Break: 11:20am - 2:30pm

WEDNESDAY MID-DAY AND AFTERNOON

SESSION 3

Break: 3:30pm - 4:00pm

SESSION 4

Break: 5:00pm - 5:20pm

SESSION 5

THURSDAY MORNING

SESSION 6

Break: 9:40am - 10:00am

SESSION 7

Lunch Break: 11:40pm - 2:30pm

THURSDAY MID-DAY

INVITED PRESENTATION
2:30pm - 3:30pm

Recent Advances in Information Processing

Dr. Henrique Malvar

Distinguished Engineer and Chief Scientist, Microsoft Research

Abstract: We present an overview of new technologies for signal and information processing, with specific emphasis on new scenarios for data compression, visual information processing, new user interfaces, and speech and language processing. Many of those technologies are a result of developments in new computing architectures, streaming data processing, and deep neural networks, all related to the rapid growth in new technologies for the efficient communication, storage, and analytics on big data.

THURSDAY AFTERNOON
POSTER SESSION AND RECEPTION

4:00-7:00pm

In the Golden Cliff Room

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

FRIDAY MORNING

SESSION 8 - Special Session On Compressed Data Structures, Part 1

Break: 9:20am - 9:40am

SESSION 9 - Special Session On Compressed Data Structures, Part 2

Break: 11:00am - 11:20am

SESSION 10

Poster Session

(listed alphabetically by first author)