

LDPC Workshop

Eilat 16-Nov-2006

Low Density Parity Check codes & Iterative Decoding algorithms

Moderated by Professor David Burshtein

Welcoming

ACC

Meir Feder



Igal Sason,
Technion, Henry D.
Pfister, Texas
A&M University.

Recent Results on
Capacity-Achieving
Codes for the
Erasure Channel
with Bounded
Complexity



Oren Golov and
Ofer Amrani, Tel
Aviv University

Scheduled Belief
Propagation in
LDPC Codes



Ohad Barak, David
Burshtein, Tel Aviv
University

Lower bounds on
the error rate of
LDPC code
ensembles



Tsachi Rosenhouse,
Anthony J. Weiss,
Tel Aviv University

[Combined Analog
and Digital Error-
Correcting Codes
for Analog
Information
Sources](#)



Naftali Sommer,
Meir Feder, Ofir
Shalvi, Tel Aviv
University

[Low Density lattice
Codes](#)



Shlomo Shamai,
Technion, Sergio
Verdu, Princeton
University and
Giuseppe Caire,
USC

[Feedback and
Belief Propagation](#)