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PROGRAM

Data Compression Conference (DCC 2003)

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Snowbird, Utah
March 25-27, 2003

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SCHEDULE OVERVIEW:

Monday Evening, March 24:
Registration and Reception

Tuesday, March 25:
Morning: Technical Sessions
Mid-Day: Invited Presentation
Afternoon: Technical Sessions

Wednesday, March 26:
Morning: Technical Sessions
Mid-Day: Technical Sessions
Afternoon: Poster Session and Reception

Thursday, March 27:
Morning: Technical Sessions

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

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Invited Presentation, 2:30pm - 3:30pm

"Towards Practical Distributed Coding"

Dr. Bernd Girod
Stanford University

Abstract: With conventional compression the encoder is designed to exploit the statistics of the source signal. Is there any other way? Surprisingly, efficient compression can also be achieved by exploiting source statistics -- partially or wholly -- at the decoder only. This insight follows from information theoretic bounds established in the 1970s by Slepian and Wolf for distributed lossless coding, and by Wyner and Ziv for lossy coding with decoder side information. In this talk, I will review recent first steps towards practical Slepian-Wolf and Wyner-Ziv coding schemes and explore their potential applications, ranging from low-complexity wireless encoders to sensor networks to lossy source/channel coding.

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