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The **Data Compression Conference (DCC)** is an international forum for current work concerning data compression and related applications. The conference addresses not only compression methods for specific types of data (text, images, video, audio, medical and scientific data, graphics, web content, etc.), but also the use of techniques from information theory and data compression in networking, communications, and storage applications involving large datasets (including image and information mining, retrieval, archiving, backup, communications, and HCI). Both theoretical and experimental work are of interest. Topics of interest include, but are not limited to:

- Lossless and lossy compression algorithms for specific types of data—text; grayscale and color images; bi-level and halftone images; multi- and hyperspectral imagery; palette images; video; audio; speech; music; maps; instrument and sensor data; weather, earth-observation, and space data; graphics, animations and bitmaps; 3D representations and geometry; web graphs and related structures; medical imagery
- Source coding, joint source-channel coding, multiple-description coding
- Quantization theory, including vector quantization
- Transforms for compression, including DCT and wavelet transforms
- Source coding in multiple-access networks
- Parallel compression algorithms and hardware
- Fractal-based compression methods
- Error-resilient compression
- Adaptive compression algorithms
- String searching and manipulation used in compression applications
- Closest-match retrieval in compression applications
- Browsing and searching compressed data
- Content-based retrieval employing compression methods
- Minimal-length encoding and applications to learning
- System issues relating to data compression, including error control, data security, indexing, and browsing
- Compression applications and issues for: computational biology; the Internet; mobile computing
- Applications of compression to: file distribution and software updates; file storage and backup systems; data mining; information retrieval; image retrieval
- Applications of compression and information theory to human-computer interaction
- Applications of compression to bioinformatics
- Compression standards (including JPEG, MPEG, H.xxx, and G.xxx families)
- Compressed sensing / compressive sampling

Paper Submission: Prospective authors are invited to submit papers of not more than ten (10) pages including all references, figures, tables, notes, and appendices. Papers are due by **November 7, 2011**, and must be submitted electronically.

Further conference information and details on the electronic-submission process are available at: **http://www.cs.brandeis.edu/~dcc/**