



Session : **Image Coding**
Time: 10:50 – 12:50

 **A FULL-REFERENCE COLOR IMAGE QUALITY MEASURE IN THE DWT DOMAIN ([Abstract](#))**

Devon Gayle (CUNY Brooklyn College, United States)
Hazem Mahlab (CUNY Brooklyn College, United States)
Yuksel Ucar (CUNY Brooklyn College, United States)
Ahmet M. Eskicioglu (CUNY Brooklyn College, United States)

 **CRYPTO-COMPRESSION OF MEDICAL IMAGES BY SELECTIVE ENCRYPTION OF DCT ([Abstract](#))**

William Puech (LIRMM, University of Montpellier, France)
José Marconi Rodrigues (LIRMM, University of Montpellier, France)



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IMPROVING COMPRESSION RATIO FOR SATELLITE TRANSMISSION BY USE OF CLOUD EXTRACTION ([Abstract](#))

Rusen Oktem (Atilim University, Turkey)
Oguz Benderli (Tubitak, Bilten, Turkey)
Neslin Ismailoglu (Tubitak, Bilten, Turkey)



A MULTISCALE COLOR QUANTIZATION ALGORITHM FOR PRODUCING SCALABLE MEDIA ([Abstract](#))

Yik-Hing Fung (The Hong Kong Polytechnic University, Hong Kong)
Yuk-Hee Chan (The Hong Kong Polytechnic University, Hong Kong)
Ka-Chun Lui (The Hong Kong Polytechnic University, Hong Kong)

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LOSSLESS CODING USING VARIABLE BLOCK-SIZE ADAPTIVE PREDICTION OPTIMIZED FOR EACH IMAGE ([Abstract](#))

Ichiro Matsuda (Science University of Tokyo, Japan)
Nau Ozaki (Science University of Tokyo, Japan)
Yuji Umezu (Science University of Tokyo, Japan)
Susumu Itoh (Science University of Tokyo, Japan)



A LOSSLESS COMPRESSION ALGORITHM BASED ON PREDICTIVE CODING FOR VOLUMETRIC MEDICAL DATASETS ([Abstract](#))

Mónica Díez-García (LPI-UVA, Spain)
Carlos Alberola-López (Universidad de Valladolid, Spain)
Federico Simmross-Wattenberg (Universidad de Valladolid, Spain)

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LOSSLESS CONTOUR REPRESENTATION USING EFFICIENT MULTIPLE GRID CHAIN CODING
(Abstract)

Heechan Park (University of Warwick, United Kingdom)
Graham Martin (University of Warwick, United Kingdom)
Andy Yu (University of Warwick, United Kingdom)



A NEW MULTISTAGE LATTICE VQ (MLVQ) TECHNIQUE FOR IMAGE COMPRESSION (Abstract)

Mohd Fadzli Mohd (University of Strathclyde, United Kingdom)
Salleh (University of Strathclyde, United Kingdom)
John Soraghan (University of Strathclyde, United Kingdom)



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CONTEXT-BASED PREDICTIVE LOSSLESS CODING FOR HYPERSPECTRAL IMAGES ([Abstract](#))

Andrea De Giusti (Università di Padova, Italy)

Stefano Andriani (Università di Padova, Italy)

Gian Antonio Mian (Università di Padova, Italy)



ERROR RESILIENT MULTIPLEXED CODING WITH RVLC ([Abstract](#))

Xiaosong Wang (Santa Clara University, United States)

Tokunbo Ogunfunmi (Santa Clara University, United States)



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AN UNSUPERVISED SEGMENTATION-BASED CODER FOR MULTISPECTRAL IMAGES ([Abstract](#))

Marco Cagnazzo (Università di Napoli – Federico II, Italy)
Luca Cicala (Università di Napoli – Federico II, Italy)
Giovanni Poggi (Università di Napoli – Federico II, Italy)
Luisa Verdoliva (Università di Napoli – Federico II, Italy)
Giuseppe Scarpa (Università di Napoli – Federico II, Italy)

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 **FAST ENCODING METHOD FOR IMAGE VECTOR QUANTIZATION BY USING PARTIAL SUM CONCEPT IN WALSH DOMAIN ([Abstract](#))**

Zhibin Pan (Tohoku University, Japan)
Koji Kotani (Tohoku University, Japan)
Tadahiro Ohmi (Tohoku University, Japan)

 **EFFICIENT LOSSLESS COLOUR IMAGE CODING WITH SPECK ([Abstract](#))**

Fouad Khelifi (Queen's University of Belfast, United Kingdom)
Ahmed Bouridane (Queen's University of Belfast, United Kingdom)
Fatih Kurugollu (Queen's University of Belfast, United Kingdom)



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ADAPTIVE DICTIONARIES FOR MATCHING PURSUIT WITH SEPARABLE DECOMPOSITION

(Abstract)

Leszek Gorecki

(Poznan University of Technology, Poland)

Marek Domanski

(Poznan University of Technology, Poland)

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