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TECHNICAL PROGRAM

SUNDAY, 11 September 2011

09:30 – 09:40 INTRODUCTION

09:40 – 11:40 Session 1: Towards HEVC

09:40 – 10:05

Mrak, Marta/BBC-R&D-UK; Gabriellini, Andrea/BBC-R&D-UK; Flynn, David/BBC-R&D-UK; Davies, Thomas/BBC-R&D-UK: **Combined intra prediction for high efficiency video coding**

10:05 – 10:30

Asai, Kohtaro/Mitsubishi Electric Corp; Murakami, Tokumichi/ Mitsubishi Electric Corp; Yamagishi, Shuichi/ Mitsubishi Electric Corp; Minezawa, Akira/ Mitsubishi Electric Corp; Itani, Yusuke/ Mitsubishi Electric Corp; Sugimoto, Kazuo/ Mitsubishi Electric Corp; Sekiguchi, Shun-ichi/ Mitsubishi Electric Corp; Yamada, Yoshihisa/ Mitsubishi Electric Corp; Kato, Yoshiaki/ Mitsubishi Electric Corp: **New Video Coding Scheme optimized for High Resolution Video Sources**

10:30 – 10:55

Wu, Feng/Microsoft Research Asia; Cuilling, Lan/Xidian University; Xu, Jizheng/Microsoft Research Asia; Shi, Guangming/Xidian University: **Exploiting Non-local Correlation via Signal Dependent Transform (SDT)**

10:55 Coffee Break

11:15 – 11:40

Krutz, Andreas/Technische Universität Berlin; Glantz, Alexander/Technische Universität Berlin; Frater, Michael/University of New South Wales; Sikora, Thomas/ Technische Universität Berlin: **Rate-Distortion Optimized Video Coding using Automatic Sprites**

11:40 – 12:30 Session 2: Assessing quality for next generation codecs

11:40 – 12:05

Lee, Jong-Seok/EPFL, Switzerland; De Simone, Francesca/EPFL, Switzerland; Ebrahimi, Touradj/ EPFL, Switzerland: **Subjective Quality Evaluation of Foveated Video Coding using Audio-Visual Focus of Attention**

12:05 – 12:30

Bosc, Emilie/INSA de Rennes /Univ. Nantes, France; Pepion, Romuald/Universite de Nantes-IRCCyN; Le Callet, Patrick/ Universite de Nantes-IRCCyN; Koppel, Martin/Fraunhofer Institut for Telecommunications; Ndjiki-Nya, Patrick/Fraunhofer Inst. for Telecommunications; Pressigout, Muriel/ Universite de Nantes-IRCCyN; Morin, Luce/ Universite de Nantes-IRCCyN: **Towards a new quality metric for 3D synthesized views assessment**

12.30 Lunch Break

13:45 – 14:35 Session 3: Advances in 3D compression

13:45 – 14:10

DeSilva, Varuna/Univ. Surrey UK; Fernando, Anil/ Univ. Surrey UK; Kodikara Arachchi, Hemantha/ Univ. Surrey UK; Worrall, Stewart/ Univ. Surrey UK; Kondoz, A.M./ Univ. Surrey UK: **A Depth Map Post-Processing Framework for 3D-TV Systems based on Compression Artifact Analysis**

14:10 – 14:35

Oh , Byung Tae/Samsung, Korea; Lee, Jaejoon/Samsung, Korea; Park, DUsik/ Samsung, Korea: **Depth Map Coding based on Synthesized View Distortion Function**

14:35 – 16:10 Session 4: Advanced Coding using Spatiotemporal Texture Analysis

14:35 – 15:00

Bosch Marc/Purdue Univ, USA; Zhu, Fengqing/ Purdue Univ, USA; Delp, Edward J/ Purdue Univ, USA: **Segmentation Based Video Compression Using Texture and Motion Models**

15.00 Tea break

15:20 – 15:45

Stojanovic, Aleksandar/RWTH Aachen Univ/Germany; Ohm, Jens-Raner/ RWTH Aachen Univ/Germany; Balle, Johannes/ RWTH Aachen Univ/Germany: **Models for Static and Dynamic Texture Synthesis in Image and Video Compression**

15:45 – 16:10

Bull, David/Univ Bristol, UK; Zhang, Fan/ Univ Bristol, UK: **A Parametric Framework For Video Compression Using Region-based Texture Models**

16.10 Discussion and Close