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Image Quality and System Performance XI

**Sophie Triantaphillidou
Mohamed-Chaker Larabi**
Editors

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Contents

vii	<i>Conference Committee</i>
ix	<i>Introduction</i>

SESSION 1 PERCEPTUAL IMAGE QUALITY AND IMAGING PERFORMANCE

- 9016 02 **Just noticeable differences in perceived image contrast with changes in displayed image size** [9016-1]
J. Y. Park, S. Triantaphillidou, R. E. Jacobson, Univ. of Westminster (United Kingdom)
- 9016 03 **The subjective importance of noise spectral content** [9016-2]
D. Baxter, STMicroelectronics Ltd. (United Kingdom); J. Phillips, NVIDIA Corp. (United States); H. Denman, Google (United States)
- 9016 04 **Spatial contrast sensitivity and discrimination in pictorial images** [9016-3]
S. Triantaphillidou, J. Jarvis, G. Gupta, Univ. of Westminster (United Kingdom)
- 9016 05 **Evolution of slanted edge gradient SFR measurement** [9016-5]
D. Williams, Image Science Associates (United States); P. D. Burns, Burns Digital Imaging (United States)

SESSION 2 PRINT QUALITY I

- 9016 06 **Evaluation of perceptual resolution of printed matter (Fogra L-Score evaluation)** [9016-6]
T. Liensberger, BARBIERI electronic snc (Italy); A. Kraushaar, Fogra-Forschungsgesellschaft Druck e.V. (Germany)
- 9016 07 **Automated measurement of printer effective addressability** [9016-7]
B. E. Cooper, A. H. Eid, E. E. Rippetoe, Lexmark International, Inc. (United States)
- 9016 08 **Perceptual metrics and visualization tools for evaluation of page uniformity** [9016-8]
M. Q. Nguyen, Purdue Univ. (United States); R. Jessome, S. Astling, E. Maggard, T. Nelson, M. Shaw, Hewlett-Packard Co. (United States); J. P. Allebach, Purdue Univ. (United States)
- 9016 09 **On the analysis of wavelet-based approaches for print mottle artifacts** [9016-9]
A. H. Eid, B. E. Cooper, Lexmark International, Inc. (United States)

SESSION 3 PRINT QUALITY II

- 9016 0A **MFP scanner diagnostics using a self-printed target to measure the modulation transfer function** [9016-10]
W. Wang, Purdue Univ. (United States); P. Bauer, J. Wagner, Hewlett-Packard Co. (United States); J. P. Allebach, Purdue Univ. (United States)

- 9016 0B **High-performance automatic cropping and deskew of multiple objects on scanned images** [9016-11]
I. V. Kurilin, I. V. Safonov, M. N. Rychagov, SAMSUNG R&D Institute (Russian Federation); H. Lee, S. H. Kim, SAMSUNG Electronics Co., Ltd. (Korea, Republic of)
- 9016 0C **Visual quality of printed surfaces: study of homogeneity** [9016-12]
D. Nébouy, Lab. Hubert Curien, CNRS (France) and Gemalto SA (France); M. Hébert, T. Fournel, Lab. Hubert Curien, CNRS (France); J.-L. Lesur, Gemalto SA (France)
- 9016 0D **A computational texture masking model for natural images based on adjacent visual channel inhibition** [9016-13]
Y. Liu, J. P. Allebach, Purdue Univ. (United States)

SESSION 4 IMAGE QUALITY EVALUATION METHODS/STANDARDS FOR MOBILE AND DIGITAL PHOTOGRAPHY: JOINT SESSION WITH CONFERENCES 9016 AND 9023

- 9016 0E **JPEG ringing artifact visibility evaluation** [9016-14]
S. Hu, Z. Pizlo, J. P. Allebach, Purdue Univ. (United States)
- 9016 0F **Mobile phone camera benchmarking: combination of camera speed and image quality** [9016-15]
V.-T. Peltoketo, Sofica Ltd. (Finland) and Vaasa Univ. (Finland)
- 9016 0G **Device and algorithms for camera timing evaluation** [9016-16]
L. Masson, F. Cao, C. Viard, F. Guichard, DxO Labs (France)
- 9016 0H **Embedded signal approach to image texture reproduction analysis** [9016-17]
P. D. Burns, Burns Digital Imaging (United States); D. Baxter, STMicroelectronics Ltd. (United Kingdom)

SESSION 5 KEYNOTE SESSION

- 9016 0I **Perceptual tools for quality-aware video networks** [9016-18]
A. C. Bovik, The Univ. of Texas at Austin (United States)

SESSION 6 SUBJECTIVE VIDEO QUALITY METHODOLOGIES

- 9016 0J **On the definition of adapted audio/video profiles for high-quality video calling services over LTE/4G** [9016-19]
M. Ndiaye, Orange Labs. (France) and Lab. XLIM-SIC, CNRS, Univ. de Poitiers (France); C. Quinquis, Orange Labs. (France); M. C. Larabi, Lab. XLIM-SIC, CNRS, Univ. de Poitiers (France); G. Le Lay, Orange Labs. (France); H. Saadane, Lab. XLIM-SIC, CNRS, Univ. de Nantes (France); C. Perrine, Lab. XLIM-SIC, CNRS, Univ. de Poitiers (France)
- 9016 0K **Subjective quality assessment of an adaptive video streaming model** [9016-20]
S. Tavakoli, Univ. Politécnica de Madrid (Spain); K. Brunnström, K. Wang, Acreo Swedish ICT AB (Sweden) and Mid Sweden Univ. (Sweden); B. Andrén, Acreo Swedish ICT AB (Sweden); M. Shahid, Blekinge Institute of Technology (Sweden); N. Garcia, Univ. Politécnica de Madrid (Spain)

- 9016 0L **Video interpretability rating scale under network impairments** [9016-21]
T. Kreitmair, C. Coman, NATO Communications and Information Agency (Netherlands)

SESSION 7 OBJECTIVE VIDEO QUALITY METRICS

- 9016 0N **Breaking down the problem of blind video quality evaluation** [9016-23]
M. A. Saad, Intel Corp. (United States); A. C. Bovik, The Univ. of Texas at Austin (United States)
- 9016 0O **Incorporating visual attention models into video quality metrics** [9016-24]
W. Y. L. Akamine, M. C. Q. Farias, Univ. de Brasília (Brazil)
- 9016 0P **An objective model for audio-visual quality** [9016-25]
H. B. Martinez, M. C. Q. Farias, Univ. de Brasília (Brazil)
- 9016 0Q **Efficient measurement of stereoscopic 3D video content issues** [9016-26]
S. Winkler, Advanced Digital Sciences Ctr. (Singapore) and Cheetah Technologies (United States)

SESSION 8 SYSTEM PERFORMANCE

- 9016 0S **Analysis of noise power spectrum of gamma rays camera** [9016-29]
H. Xie, F. Zhang, J. Zhang, J. Chen, D. Chen, L. Li, Institute of Nuclear Physics and Chemistry (China)
- 9016 0T **Analysis on relation between Hartmann-Shack wavefront detection error and image restoration quality** [9016-30]
Q. Li, Z. Xu, H. Feng, Y. Chen, Y. Yu, Zhejiang Univ. (China)

SESSION 9 METHODOLOGIES FOR QUANTIFYING PERCEPTUAL QUALITY: JOINT SESSION WITH CONFERENCES 9014 AND 9016

- 9016 0V **Noisy images-JPEG compressed: subjective and objective image quality evaluation** [9016-32]
S. Corchs, F. Gasparini, R. Schettini, Univ. degli Studi di Milano-Bicocca (Italy)
- 9016 0W **Perceptibility and acceptability of JPEG 2000 compressed images of various scene types** [9016-33]
E. Allen, S. Triantaphillidou, R. Jacobson, Univ. of Westminster (United Kingdom)
- 9016 0X **A new image quality assessment database for tiled images** [9016-34]
S. B. McFadden, P. A. S. Ward, Univ. of Waterloo (Canada)

Author Index

Conference Committee

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2 Print Quality I

Susan P. Farnand, Rochester Institute of Technology (United States)

3 Print Quality II

Sang Ho Kim, Samsung Digital City (Korea, Republic of)

- 4 Image Quality Evaluation Methods/Standards for Mobile and Digital Photography: Joint Session with Conferences 9016 and 9023
Dietmar Wüller, Image Engineering GmbH & Co. KG (Germany)
Sophie Triantaphillidou, University of Westminster (United Kingdom)
Robin B. Jenkin, Aptina Imaging Corporation (United States)
- 5 Keynote Session
Sophie Triantaphillidou, University of Westminster (United Kingdom)
Mohamed-Chaker Larabi, XLIM-SIC (France)
- 6 Subjective Video Quality Methodologies
Göte S. Nyman, University of Helsinki (Finland)
- 7 Objective Video Quality Metrics
Elaine W. Jin, Aptina Imaging Corporation (United States)
- 8 System Performance
Luke C. Cui, Lexmark International, Inc. (United States)
- 9 Methodologies for Quantifying Perceptual Quality: Joint Session with Conferences 9014 and 9016
Mohamed-Chaker Larabi, XLIM-SIC (France)
Thrasylvoulos N. Pappas, Northwestern University (United States)

Introduction

Over the last decade the Image Quality and System Performance (IQSP) conference has covered a wide range of topics, relating to the evaluation of imaging system performance, the definition of the perceived image quality and often the interrelationship between them. The perceived quality of images is of crucial importance in visual arts, as well as in commercial, scientific and entertaining application environments. Developments in display technologies, digital printing, imaging sensors, image processing and 3D imaging are enabling new, or enhanced possibilities for creating and conveying visual content that informs or entertains. Wireless networks and mobile devices expand the ways to share imagery.

Following the tradition of the ten previous volumes of the IQSP conference, Volume XI includes again research brought by industrial and academic engineers and scientists, who strive to understand how humans judge images, how to quantify image quality, what makes high quality imagery and how to assess the requirements and performance of modern imaging systems. It comprises peer-reviewed contributions, discussing research and applications throughout the imaging chain on: the methodologies and standards for quantifying perceptual quality and imaging performance; the evaluation of captured, compressed, displayed and print quality; objective and subjective video quality evaluation; 3D image quality.

We hope Volume XI is a useful reference to all those interested in present-day research on image quality and imaging system performance.

Sophie Triantaphillidou
Mohamed-Chaker Larabi