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**Mobile Devices and Multimedia:
Enabling Technologies, Algorithms, and Applications 2016**

Editors: **Reiner Creutzburg**, Fachhochschule Brandenburg (Germany), and
David Akopian, The Univ. of Texas at San Antonio (USA)

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Mobile Devices and Multimedia: Enabling Technologies, Algorithms, and Applications 2016

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Mobile Devices and Multimedia: Enabling Technologies, Algorithms, and Applications 2016

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Mobile Devices and Multimedia: Enabling Technologies, Algorithms, and Applications 2016

Wednesday, February 17, 2016

Mobile Devices and Multimedia: Enabling Technologies, Algorithms, and Applications 2016 Interactive Papers Session

5:30 – 7:00 pm

Continental Ballroom 6

The following works will be presented at the EI 2016 Symposium Interactive Papers Session.

MOB MU-284
Concept for software-based configuration of the organizational and technical security of a company of any size, Thomas Möller¹, Knut Bellin², and Reiner Creutzburg²; ¹Assecor GmbH (Germany) and ²Brandenburg University of Applied Sciences

MOB MU-285
Semi-automatic generation of multilingual lecture notes - Wikipedia books for algorithms and data structure courses in various languages, Reiner Creutzburg, Brandenburg University of Applied Sciences (Germany)

MOB MU-286
RED color spaces demystified - reverse engineering of RED gamma and RED color by spectral analysis of Xrite color charts and RED Scarlet-X Camera recordings, Eberhard Hasche, Patrick Ingwer, Reiner Creutzburg, Thomas Schrader, Frederick Laube, and Timo Sigwarth, Brandenburg University of Applied Sciences (Germany)

MOB MU-287
Algorithm of out-of-band radiation reduction, V. P. Fedosov¹, V. V. Voronin², R. V. Rubtsov¹; ¹Southern Federal University and ²Don State Technical University (Russian Federation)

MOB MU-288
Advanced features for messaging solutions for mobile health promotion research, David Akopian, Jafet Morales, Rodrigo Escobar, Suraj Sankarawarrier, and Kavya Choppa, University of Texas at San Antonio (USA)

MOB MU-289
Digital inpainting with applications to forensic image and video processing, V.V. Voronin¹, V.I. Marchuk¹, and E.A. Semenishchev¹, S.V. Makov¹, Reiner Creutzburg²; ¹Don State Technical University (Russian Federation) and ²Fachhochschule Brandenburg (Germany)

MOB MU-290
Energy efficient algorithm for lookup-tables on mobile devices, Sergey Makov, Vladimir Frantc, Viacheslav Voronin, Vladimir Marchuk, and Evgeny Semenishchev, Don State Technical University (Russian Federation)

EI 2016 Symposium Interactive Papers Session

5:30 – 7:00 PM

Continental Ballroom 6

Thursday, February 18, 2016

Emerging Mobile Applications

Conference Chairs: David Akopian, The University of Texas at San Antonio (USA) and Reiner Creutzburg, Fachhochschule Brandenburg - Brandenburg University of Applied Sciences (Germany)

8:50 – 10:10 am

Golden Gate 5

8:50 MOB MU-291
Contactless palm landmark detection and localization on mobile devices, Yaqi Wang, Liangrui Peng, Shengjin Wang, and Xiaoping Ding, Tsinghua University (China)

9:10 MOB MU-292
RECfusion: Automatic scene clustering and tracking in videos from multiple sources, Filippo L.M. Milotta¹, Sebastiano Battiato¹, Filippo Stanco¹, Valeria D'Amico², Giovanni Torrisi², and Luca Addresso²; ¹University of Catania and ²Telecom Italia JOL WAVE (Italy)

9:30 MOB MU-293
Improving the RDP based applications by using HTML5 content representation, Rama Rao Ganji¹, Mihai Mitrea^{1,2}, Dancho Panovski¹, and Bojan Joveski²; ¹Telecom-SudPars; Institut Mines-Telecom (France) and ²Ustartapp

10:10 – 10:50 am Coffee Break

Mobile Applications for Broader Impact and Infrastructure

Conference Chairs: David Akopian, The University of Texas at San Antonio (USA) and Reiner Creutzburg, Fachhochschule Brandenburg - Brandenburg University of Applied Sciences (Germany)

10:50 am – 12:30 pm

Golden Gate 5

10:50 MOB MU-295
3D reconstruction of buildings and landscapes - evaluation of quality parameters and optimization of mission planning using RPAS, Stefan Schön, Patrick Ingwer, Arno Fischer, Martin Schafföner, Eberhard Hasche, and Reiner Creutzburg, Brandenburg University of Applied Sciences (Germany)

11:10 MOB MU-296
Comparative visualization of geometry of a hollow box girder using 3D-LiDAR – Part 1: Cross sectional area, Jenny Knackmuß¹, Stefan Maack², Reiner Creutzburg¹; ¹Brandenburg University of Applied Sciences and ²Bundesanstalt für Materialforschung und -prüfung (Germany)

11:30 MOB MU-297
Supplementation of LiDAR scans with Structure from Motion (SfM) data, Fabian Gassen Eberhard Hasche, Patrick Ingwer, and Reiner Creutzburg, Brandenburg University of Applied Sciences (Germany)

11:50 MOBMU-298
Digital photonic measurements for high tech strategy 2020, Paul-Gerald
Dittrich and Dietrich Hofmann, SpectroNet c/o Technology and Innovation
Park Jena GmbH (Germany)

12:10 MOBMU-299
**Turbo fusion of LPQ and HOG feature sets for indoor positioning using
smartphone camera**, Jichao Jiao, Zhongliang Deng, Jun Mo, and Cheng
Li, Beijing University of Posts and Telecommunications (China)

12:30 – 2:00 pm Lunch Break

Mobile Platforms and Algorithms

Conference Chairs: David Akopian, The University of Texas at San Antonio
(USA) and Reiner Creutzburg, Fachhochschule Brandenburg - Brandenburg
University of Applied Sciences (Germany)

2:00 – 3:20 pm

Golden Gate 5

2:00 MOBMU-300
Musical instruments simulation on mobile platform, Xunyu Pan¹, Jacob
Wilson¹, Megan Balukoff¹, Anyi Liu², and Wvenjuan Xu¹; ¹Frostburg State
University and ²Indiana University–Purdue University Fort Wayne (USA)

3:00 MOBMU-303
**MultiMo: a multimodal university evaluation software designed for
high response rates and usability** - Sebastian Müller, Max Gregor, Raoul
van Rüschen, Rico Wildenhein, Reiner Creutzburg, and Martin Christof
Kindsmüller, Brandenburg University of Applied Sciences (Germany)