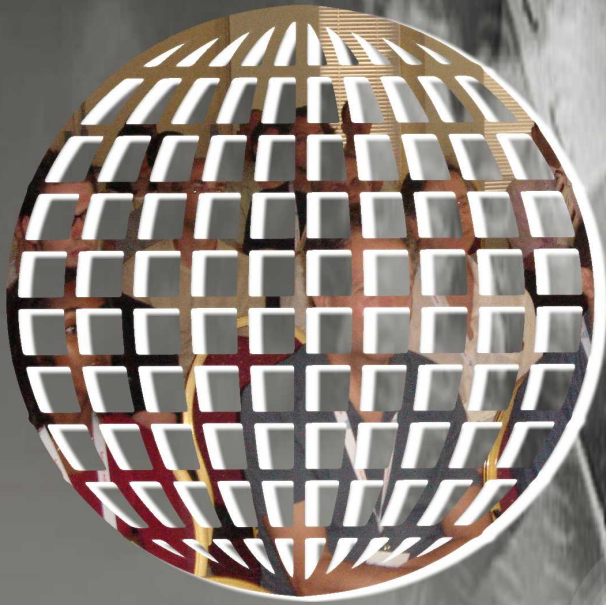


International Journal on Advances in Telecommunications



2013 vol. 6 nr. 3&4

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2013) by International Academy, Research, and Industry Association (IARIA)
Please refer to the Copyright Information page.

Printed by Curran Associates, Inc. (2014)

International Academy, Research, and Industry Association (IARIA)
412 Derby Way
Wilmington, DE 19810

Phone: (408) 893-6407
Fax: (408) 527-6351

petre@iaria.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

CONTENTS

pages: 71 - 80

Pilot service and Efficient OEO-based Remote Terminal Providing a Higher Power Budget of an Asymmetric 10/1G-EPON

Kwang-Ok Kim, Electronics and Telecommunications Research Institute, Korea
Sang-Soo Lee, Electronics and Telecommunications Research Institute, Korea
Youn-Seon Jang, Chungnam National University, Korea

pages: 81 - 97

A Reliability and Survivability Analysis of US Local Telecommunication Switches

Andrew Snow, Ohio University, USA
Aimee Shyirambere, Ohio University, USA
Julio Arauz, Ohio University, USA
Gary Weckman, Ohio University, USA

pages: 98 - 108

Applying the Accumulation of Cross-Power Spectrum Technique for Traditional Generalized Cross-Correlation Time Delay Estimation

Radu-Sebastian Marinescu, Rohde & Schwarz Topex and University Politehnica of Bucharest, Romania
Andi Buzo, University Politehnica of Bucharest, Romania
Horia Cucu, University Politehnica of Bucharest, Romania
Corneliu Burileanu, University Politehnica of Bucharest, Romania

pages: 109 - 122

Spectrum Sensing in the TV White Spaces

Daniel Riviello, Dipartimento di Elettronica e Telecomunicazioni, Politecnico di Torino, Italy
Roberto Garelo, Dipartimento di Elettronica e Telecomunicazioni, Politecnico di Torino, Italy
Sergio Benco, Networks and Wireless Communications, CSP-ICT Innovation, Torino, Italy
Floriana Crespi, Networks and Wireless Communications, CSP-ICT Innovation, Torino, Italy
Alberto Perotti, Networks and Wireless Communications, CSP-ICT Innovation, Torino, Italy

pages: 123 - 131

Improving Retransmission Performance of IP-Based Transport Protocols

Stan McClellan, Ingram School of Engineering, Texas State University, USA
Wuxu Peng, Department of Computer Science, Texas State University, USA

pages: 132 - 142

Depth-Included Curvature Inpainting for Disocclusion Filling in View Synthesis

Suryanarayana Murthy Muddala, Mid Sweden University, Sweden
Roger Olsson, Mid Sweden University, Sweden
Mårten Sjöström, Mid Sweden University, Sweden

pages: 143 - 152

Performance of LTE Turbo Codes with Joint Source Channel Decoding, Adaptive Scaling and Prioritised QAM Constellation Mapping

Tulsi Pawan Fowdur, University of Mauritius, Mauritius
Yogesh Beeharry, University of Mauritius, Mauritius
K.M. Sunjiv Soyjaudah, University of Mauritius, Mauritius

pages: 153 - 163

High Quality Video Conferencing: Region of Interest Encoding and Joint Video/Audio Analysis

Christopher Bulla, Institut für Nachrichtentechnik, RWTH Aachen University, Germany
Christian Feldmann, Institut für Nachrichtentechnik, RWTH Aachen University, Germany
Magnus Schäfer, Institute of Communication Systems and Data Processing, RWTH Aachen University, Germany
Florian Heese, Institute of Communication Systems and Data Processing, RWTH Aachen University, Germany
Thomas Schlien, Institute of Communication Systems and Data Processing, RWTH Aachen University, Germany
Martin Schink, MainConcept GmbH, Germany