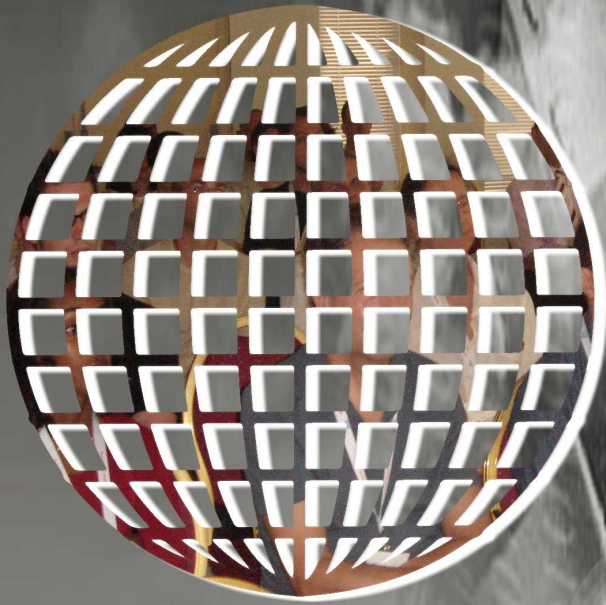


International Journal on Advances in Telecommunications



2015 vol. 8 nr. 1&2

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© (4237) by International Academy, Research, and Industry Association (IARIA)
Please refer to the Copyright Information page.

Printed by Curran Associates, Inc. (4238)

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: 1 - 8

Feasibility Study of a PLC System for Avionic Safety-Critical Systems

Thomas Larhzaoui, IETR, France
Fabienne Nouvel, IETR, France
Jean-Yves Baudais, IETR, France
Virginie Dégardin, IEMN, France
Pierre Laly, IEMN, France

pages: 9 - 24

Musing: A Mobile Client and Web Server Augmented Reality Application for Museum Visitors and Curators

Kevin Whiteside, Texas State University, United States
Gentry Atkinson, Texas State University, United States
Mary Mikel Stump, Texas State University, United States
Grayson Lawrence, Texas State University, United States
Dan Tamir, Texas State University, United States

pages: 25 - 34

IQ Imbalance in Heterodyne Transceivers with zero-second-IF for Wide-Band mmW Links

Ainhoa Rezola, CEIT, Spain
Juan Francisco Sevillano, CEIT, Spain
Martin Leyh, Fraunhofer, Germany
Moises Lorenzo, Fraunhofer, Germany
Roc Berenguer, CEIT, Spain
Aharon Vargas, Fraunhofer, Germany
Igone Vélez, CEIT, Spain

pages: 35 - 47

Designing Towards A Fully Monolithic Envelope-Tracking SiGe Power Amplifier for Broadband Wireless Applications

Yan Li, Texas Tech University, United States
Jerry Lopez, Texas Tech University, United States
Donald Lie, Texas Tech University, United States

pages: 48 - 58

Performance Comparison of Data Serialization Schemes for ETSI ITS Car-to-X Communication Systems

Sebastian Bittl, Fraunhofer ESK, Germany
Arturo A. Gonzalez, Fraunhofer ESK, Germany
Michael Spähn, Fraunhofer ESK, Germany
Wolf Heidrich, Fraunhofer ESK, Germany

pages: 59 - 73

The Role of QoS in WebRTC and IMS-based IPTV Services

Michael Maruschke, Hochschule fuer Telekommunikation Leipzig (HfTL), Germany
Kay Haensge, Telekom Innovation Laboratories, DTAG, Germany
Jens Zimmermann, Deutsche Telekom Technik GmbH, Germany
Tilman Bach, Deutsche Telekom Technik GmbH, Germany

pages: 74 - 83

On Type II Hybrid-ARQ with Decode and Forward Relay using Non-Binary Rate-Compatible Punctured LDPC Code on MIMO Frequency Selective Channels

Sho Kato, Nagoya Institute of Technology, Japan

Yasunori Iwanami, Nagoya Institute of Technology, Japan

pages: 84 - 97

Interference Avoidance Routing Strategy in Cognitive Radio Networks

Thao Quach, LaBRI, University of Bordeaux, France

Francine Krief, LaBRI, University of Bordeaux, France

Mohamed Aymen Chalouf, IRISA, University of Rennes, France