

2017 IEEE International Workshop Technical Committee on Communications Quality and Reliability (CQR 2017)

**Naples, Florida, USA
16-18 May 2017**



**IEEE Catalog Number: CFP17CQR-POD
ISBN: 978-1-5386-0589-9**

**Copyright © 2017 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP17CQR-POD
ISBN (Print-On-Demand):	978-1-5386-0589-9
ISBN (Online):	978-1-5386-0588-2
ISSN:	2163-5595

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) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

2017 IEEE International Workshop Technical Committee on Communications Quality and Reliability (CQR)

Technical Papers 1&2

<i>Quality Degradation Localization in Complex Message Processing Networks</i> Yuncheng Zhu (Hitachi, Ltd., Japan), Hideki Okita (Hitachi, Ltd., Japan), Seishi Hanaoka (Hitachi, Ltd., Japan)	1
<i>Heterogeneous Delay Tomography Based on Graph Fourier Transform in Mobile Networks</i> Hideaki Kinsho (Osaka University, Japan), Rie Tagyo (NTT, Japan), Daisuke Ikegami (NTT, Japan), Takahiro Matsuda (Osaka University, Japan), Akira Takahashi (Nippon Telegraph and Telephone Corporation, Japan), Tetsuya Takine (Osaka University, Japan)	7

Technical papers 3&4

<i>Cross Layer Image Optimization (CLIO) for Wireless Video Transmission over 802.11ad Multi-Gigabit Channels</i> Amin Mobasher (Samsung Semiconductor, USA), Gregory Cook (Samsung Semiconductor, USA), Jalil Kamali (Centillium Communications, USA)	13
<i>Predictive Dynamic Bandwidth Allocation Based on the Correlation of the Bi-directional Traffic for Cloud-based Virtual PON-OLT</i> Keita Nishimoto (NTT, Japan), Masashi Tadokoro (NTT, Japan), Toshihito Fujiwara (NTT & NTT Access Network Service Systems Laboratories, Japan), Takashi Yamada (NTT, Japan), Toshikiyo Tanaka (NTT, Japan), Akiyuki Takeda (NTT, Japan), Takashi Inoue (NTT, Japan)	19

Technical papers 5&6

<i>Effective New Cache Decision Policy for Breadcrumbs in Content-Centric Networking</i> Yusaku Hayamizu (Kansai University, Japan), Akihisa Shibuya (Kansai University, Japan), Miki Yamamoto (Kansai University, Japan)	25
<i>Novel Packet Scheduling for Supporting Various Real-Time IoT Applications in LTE Networks</i> Nobuhiko Itoh (NEC Corporation, Japan), Hiroya Kaneko (NEC Corporation, Japan), Akihito Kohiga (NEC Corporation, Japan), Takanori Iwai (NEC Corporation, Japan), Hideyuki Shimonishi (NEC, Japan)	31