GLOBECOM 2014

CQR Technical Committee Meeting

CQR Chair: Hideaki Yoshino
Dec. 10
Austin, TX
Agenda

- WELCOME
- TC Officers: Vote in an election
- Advisory Board
- CQR Background and Activities
- CQR Charter
- ICCs and GLOBECOMs
- CQR2015
- ADJOURN
2014-2015 Officers

- Chair Hideaki Yoshino
- Chair-Elect Carol Davids ⇒ Scott Poretsky
- Vice Chair - Operations Tetsuya Yokotani
- Vice Chair - Publications Weider Yu
- Secretary Scott Poretsky ⇒ Michael P. Ryan
- Treasurer Kevin Krantz
- Standards Liaison Hideaki Yoshino
2.2 Nomination and election procedure

The term for the CQR-TC officers will be two years. Elections will be held every two years to elect officers for another term of two years. Note, the Chair is NOT for Election. The Chair Elect of the previous term will become the Chair. A Nomination Committee is formed six months before the start of a new term. The Nomination Committee must include the Advisory Board members, present committee chairs and present chair-elect as available to serve. The Nomination Committee prepares a recommended slate of officers for the next two-year term. The recommended slate of officers is presented at the next CQR-TC meeting for consideration. At the CQR-TC meeting the floor is opened for other nominations prior to a vote on approval of the recommended slate. Voting is restricted to those in attendance.
CQR Advisory Board

• Kelly Krick, (Chair), Ericsson, US
• Hiromi Ueda, Tokyo Univ. of Tech., JP
• Chi-Ming Chen, AT&T, US
• Kenichi Mase, Niigata Univ., JP
• Karl Rauscher, EastWest Institute, US
• Koichi Asatani, Kogakuin Univ., JP
• Raymond Bonelli, Consultant, US
CQR Background and Activities

- CQR: Technical Committee on Communications Quality & Reliability
- Established in 1986 as QAMC (Quality Assurance Management Committee)
- One of the 23 Technical Committees of IEEE ComSoc
- Holds annual international workshop, except 1996 and 2003
- Three Committee Meetings each year:
  - Last one: ICC 2014, Thu. June 12, Sydney
  - Today: GLOBECOM 2014, Dec. 10, Austin, TX
  - Next one: CQR Workshop 2015, Charleston, SC
- Meeting presentations and minutes are posted on the CQR web site [http://committees.comsoc.org/cqr/](http://committees.comsoc.org/cqr/)
ComSoc 23 TCs

- Ad Hoc & Sensor Networks
- Cognitive Networks
- Communications & Information Security
- Communications Quality and Reliability
- Communications Software
- Communications Switching & Routing
- Communications Systems Integration & Modeling
- Communication Theory
- Computer Communications
- Data Storage
- e-Health
- High-Speed Networking
- Information Infrastructure & Networking
- Internet
- Multimedia Communications
- Network Operations & Management
- Optical Networking
- Power Line Communications
- Radio Communications
- Satellite & Space Communications
- Signal Processing & Communications Electronics
- Transmission, Access, & Optical Systems
- Wireless Communications
CQR Charter

• Revised Nov. 2009
• Focuses on and advocates worldwide communications and reliability on behalf of, and within, the Communications Society.
• Serves as the catalyst for global awareness and the exchange of information relative to technical and management-related aspects of communications quality and reliability. This also extends to security of the telecommunications network.
• CQR technical subject matter includes:
  I. Service Quality and Reliability
  II. Network Quality and Reliability
  III. Product and System Quality and Reliability
# IEEE : CQRMD Symposia (1)

<table>
<thead>
<tr>
<th>Year</th>
<th>ICC</th>
<th>GLOBECOM</th>
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<tbody>
<tr>
<td>2003</td>
<td>5/11-15, Anchorage Koichi Asatani</td>
<td>12/01-05, San Francisco</td>
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<tr>
<td>2005</td>
<td>5/16-20, Seoul, Korea Hiromi Ueda</td>
<td>11/28 – 12/2, St. Louis</td>
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<td>2008</td>
<td>5/19-23, Beijing, China Hiromi Ueda</td>
<td>11/30 – 12/4, New Orleans Toshinori Tsuboi</td>
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<td>2009</td>
<td>6/14-18, Dresden, Germany Hiromi Ueda</td>
<td>11/30 – 12/4, Honolulu Hajime Nakamura</td>
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### IEEE : CQRM Symposia (2)

<table>
<thead>
<tr>
<th>Year</th>
<th>ICC</th>
<th>GLOBECOM</th>
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<tr>
<td>2010</td>
<td>5/23-27, Cape Town, South Africa Toshinori Tsuboi</td>
<td>12/06-10, Miami Hideaki Yoshino</td>
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<tr>
<td>2011</td>
<td>6/05-09, Kyoto, Japan Toshinori Tsuboi</td>
<td>12/05-09, Houston Tetsuya Yokotani</td>
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<td>2012</td>
<td>6/10-15, Ottawa, Canada Hideaki Yoshino</td>
<td>12/03-07, Anaheim Tetsuya Yokotani</td>
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<td>2013</td>
<td>6/09-13, Budapest, Hungary Tetsuya Yokotani</td>
<td>12/09-13, Atlanta Hideaki Yoshino</td>
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<tr>
<td>2014</td>
<td>6/10-14, Sydney, Australia Kohei Shiomoto</td>
<td>12/8-12, Austin Weider Yu</td>
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<tr>
<td>2015</td>
<td>6/8-12, London, UK Kelly Krick</td>
<td>12/6-10, San Diego Kohei Shiomoto</td>
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Globecom 2014 CQRM Symposium Sessions

Oral Sessions

• CQRM–01: Cloud Computing and Networking
• CQRM–02: Video Streaming
• CQRM–03: Traffic Control and Network Virtualization
• CQRM–04: Resource Allocation in Wireless Networks
• CQRM–05: Routing and Reliability

Interactive Sessions

• CQRM I–1: Network Coding
2014 CQR Workshop

- May 19-22, 2014; Tucson, AZ
- Keynote: David Lu, AT&T and Hang Nguyen, Intel
- Industry-focused Strategic Track
  - Segment 1: Cloud/SDN/NFV/Domain 2.0 Services
  - Segment 2: Security
  - Segment 3: Beyond Macro
  - Executive Panel: Cloud and Security
  - Distinguished Expert Panel: Real-Time Evolution of Real-Time Communications
  - Operations Panel: Making the Cloud Work
- Technical Paper Track
  - Oral presentation of 10 technical papers including 2 best technical papers
2014 CQR Workshop

• General Co-Chair:
  ➢ Martin Guldberg, Verizon Wireless, USA

• Segment and Panel Chairs:
  ➢ Segment 1: Scott Poretsky - Allot Communications
  ➢ Segment 2: Tara Timblin – Symantec
  ➢ Segment 3: Fran Walton, Verizon Wireless
  ➢ Executive Panel: Michael P. Ryan, Verizon Wireless
  ➢ Distinguished Expert Panel: Carol Davids, Illinois Institute of Technology
  ➢ Operations Panel: Chris Mayer

• Technical Program Chair and Secretary:
  ➢ Katsunori Yamaoka, Tokyo Institute of Technology
  ➢ Ken-Ichi Suzuki, NTT
Emerging Technologies
Reliability Roundtable 2014
Co-located with
CQR Workshop 2014

May 12, 2014
Westward Look Wyndham Grand Resort and Spa
Tucson, AZ
ETR-RT Scope

- Identify the RAS (Reliability, Availability, and Serviceability) challenges, requirements, and methodologies in emerging technologies like:
  - Wireless/Mobility
  - Cloud Computing
  - NFV (Network Functions Virtualization)
  - SDN (Software Defined Networking)
  - High Availability for Mission-critical Industries (e.g., Airborne Systems)
- Discuss the RAS requirements and technologies, with the goal to promote the inter-industry sharing of related ideas and experiences
- Identify potential directions for resolving identified issues and propose possible solutions
ETR-RT Speakers
(In Alphabetical Order)

- Brian Levy – Juniper Networks (CTO, SP Sector EMEA)
- David Lu – AT&T (VP, Business Ntwk & Corp. Solution IT)
- Spilos Makris – Palindrome Technologies (Director)
- Chunming Qiao – SUNY (Professor)
- Michael Tortorella – Rutgers University (Research Professor)
- Mehmet Ulema – Manhattan College (Professor)
- Gengui Xie – Huawei (VP of R&D Competence Center, China)
- Ying Chin (Bob) Yeh – Boeing Commercial Airplanes (Fellow)

ETR-RT Advisory
Chi-Ming Chen – AT&T Labs (Principal MTS)

Presentations posted on http://www.ieee-cqr.org/2014/ETR-RT.htm
2014 CQR Workshop
2014 CQR Workshop
CQR Chairman’s Award

The IEEE Com Soc President Sergio Benedetto and CQR Chair Hideaki Yoshino, honored

- Matthew Bross,
- Bernard L. Malone III,
- Stuart Goldman and
- Kevin J. Krantz

with the 2014 CQR Chairman’s Award at an awards ceremony during the 2014 CQR Workshop in Tucson, Arizona on May 14, 2014.
2015 IEEE CQR Workshop

Charleston, S.C.
The Downtown Historic District
May 12-14, 2015
http://www.ieee-cqr.org/2015/
Charleston, South Carolina
The Francis Marion Hotel

Ornate meeting rooms, classic Southern charm. Need we say more …

Within the Historic District, our hotel is within walking distance of beautiful antebellum architecture, a historical seaport and a robust culinary community.

As guests of Charleston, we will look to take advantage of the culinary stars by hosting our night out as a progressive dinner.

http://www.francismarionhotel.com/
Emerging Technology Reliability Roundtable 2015

Roundtable 2015, again, will be co-located with 2015 CQR Workshop.

2015 CQR workshop
Strategic Track

General Program Co-Chairs
- Chris Mayer, Verizon, USA
- Tara Timblin, Symantec, USA

- 3 themes will be organized into three segments with one segment on each day.
- In addition, there are 3 Panels being organized.
2015 CQR workshop
Technical Paper Track

Technical Program Co-Chairs

- Prof. Miki Yamamoto
  Kansai University, Japan

- Prof. Ana Goulart
  Texas A&M University, USA

Paper Submission Key Dates:

- Paper submission deadline: January 5, 2015
- Notification of acceptance: February 14, 2015
- Camera-ready deadline: March 14, 2015