



CQR Technical Committee Meeting

IEEE GLOBECOM 2015

**CQR Chair: Hideaki Yoshino
December 8, 2015
San Diego, CA**

Agenda

- WELCOME
- TC Officers
- Advisory Board Members
- CQR Background and Activities
- CQR Charter
- Chairman's Awards
- ICCs and GLOBECOMs
- CQR workshop 2015 & 2016
- Technical Committee Business
- ADJOURN

2014-2015 Officers

- Chair [Hideaki Yoshino](#)
- Chair-Elect [Scott Poretsky](#)
- Vice Chair - Operations [Tetsuya Yokotani](#)
- Vice Chair - Publications [Weider Yu](#)
- Secretary [Michael P. Ryan](#)
- Treasurer [Kevin Krantz](#)

Election for Next Term 2016-2017 Officers

- Positions for election
 - (Current Chair-Elect becomes Chair)
 - Chair-Elect
 - Vice Chair – Operations
 - Vice Chair – Program Development
 - Vice Chair – Publications
 - Vice Chair – Social Media
 - Secretary
 - Treasurer

➔ Chair of the Advisory Board will conduct the election

CQR Advisory Board Members

- 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, Nankai Univ., CN
- Raymond Bonelli, Consultant, US

CQR Background and Activities

- **CQR: Technical Committee on**
Communications Quality & Reliability
- **Established in 1986 as QAMC (Quality Assurance Management Committee)**
 - **2016 is QAMC/CQR's 30 year anniversary !**
- **Holds annual international workshop: CQR Workshop**
- **Three Committee Meetings each year:**
 - **Last one: ICC 2015, June 10, London, UK**
 - **Today: GLOBECOM 2015, Dec, 8 , San Diego, CA**
 - **Next one: CQR Workshop 2016**
 - **Meeting presentations and minutes will be posted on the CQR web site**

ComSoc 25 Technical Committees and 15 Emerging Technical Subcommittees

- 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
- Green Communications & Computing
- Information Infrastructure & Networking
- Innovation & Standards in Information & Communication Technologies (ISICT)
- Internet
- Multimedia Communications
- Network Operations & Management
- Optical Networking
- Power Line Communications
- Radio Communications
- Satellite & Space Communications
- Signal Processing & Communications Electronics
- Social Networks
- Transmission, Access, & Optical Systems
- Wireless Communications

Subcommittees: 5G Mobile Wireless Internet, Big Data, Internet of Things, etc.

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

CQR Chairman's Awards

- **Established in 2004**
- **Criteria upon which recipients were selected**
 - **sustained contributions in the field of Quality, Reliability & Security of communications services, networks or systems;**
 - **a demonstration of the core value of a professional society-adding value to others; and**
 - **integrity consistent with that of a role model**
- **Number of recipients 2004-2014**

2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
5	5	3	4	2	3	3	0	1	2	4

⇒ This year, we had 4 recipients.

IEEE : CQRM Symposia

Year	ICC	GLOBECOM
2002	4/28-5/2, New York Koichi Asatani	11/17-21, Taipei, Taiwan Koichi Asatani
2003	5/11-15, Anchorage Koichi Asatani	12/01-05, San Francisco -
2004	6/20-24, Paris, France Koichi Asatani	11/29-12/3, Dallas -
2005	5/16-20, Seoul, Korea Hiromi Ueda	11/28 – 12/2, St. Louis -
2006	6/11-15, Istanbul, Turkey Hiromi Ueda	11/27 – 12/1, San Francisco Hiromi Ueda
2007	6/24-28, Glasgow, UK Hiromi Ueda	11/26 – 11/30, Washington, DC -
2008	5/19-23, Beijing, China Hiromi Ueda	11/30 – 12/4, New Orleans Toshinori Tsuboi
2009	6/14-18, Dresden, Germany Hiromi Ueda	11/30 – 12/4, Honolulu Hajime Nakamura

IEEE : CQRM Symposia (Cont.)

Year	ICC	GLOBECOM
2010	5/23-27, Cape Town, South Africa Toshinori Tsuboi	12/06-10, Miami Hideaki Yoshino
2011	6/05-09, Kyoto, Japan Toshinori Tsuboi	12/05-09, Houston Tetsuya Yokotani
2012	6/10-15, Ottawa, Canada Hideaki Yoshino	12/03-07, Anaheim Tetsuya Yokotani
2013	6/09-13, Budapest, Hungary Tetsuya Yokotani	12/09-13, Atlanta Hideaki Yoshino
2014	6/10-14, Sydney, Australia Kohei Shiimoto	12/8-12, Austin Weider Yu
2015	6/8-12, London, UK Kelly Krick	12/6-10, San Diego Kohei Shiimoto
2016	5/23-27, Kuala Lumpur Kohei Shiimoto	12/4-8, Washington D.C. Kohei Shiimoto
2017	5/21-25, Paris, France Kohei Shiimoto	

2015 CQR Workshop



- **General Program Co-Chairs:**

- **Chris Mayer, Verizon and Tara Timblin, Symantec**

- **Segment and Panel Chairs:**

- **Segment 1: Kirk McBean, Cisco Systems**
- **Segment 2: Scott Poretsky, Allot Communications**
- **Segment 3: Barbara Kemp, Assure 911 LLC**
- **Executive Panel: Mike Ryan, VZ Wireless**
- **Distinguished Expert Panel: Carol Davids, IIT**
- **Operations Panel: Martin Guldberg, Verizon Wireless**

- **Technical Program Co-Chairs:**

- **Miki Yamamoto, Kansai Univ.**
- **Ana Goulart, Texas A&M Univ.**

2015 CQR Workshop

The Francis Marion Hotel
Charleston, S.C.
May 12-14, 2015



2015 CQR Workshop



Best Paper and CQR Chairman's Awards



Best Paper Award
Dimitri Papadimitriou,
ALU - Bell Labs, Belgium
“Nonparametric Statistical
Methods to Analyze the Internet
Connectivity Reliability”

Chairman's Awards

- **David H. Lu, AT&T, USA**
- **Rainer Schmitt, Sonavation, USA**
- **Martin Guldberg,**
Verizon Wireless, USA and
- **Richard E. Krock, Alcatel-Lucent,**
USA



2016 IEEE CQR Workshop



Skamania Lodge, WA.

The Columbia River Gorge

May 10-12, 2016

<http://www.ieee-cqr.org/2016/>

2016 CQR Workshop

- **Emerging Technology Round Table Co-Chairs:**
Spilios Makris and Chi-Ming Chen
- **General Program Co-Chairs:**
Chris Mayer and Tara Timblin
- **Technical Program Co-Chairs:**
Miki Yamamoto and Ana Goulart
 - ✓ **Panel Chairs:**
 - **Executive Panel Chair: Mike Ryan**
 - **Distinguished Expert Panel Chair: Carol Davids**
 - **Operations Panel Chair: Martin Guldberg**
 - ✓ **Segment Chairs: TBD**

Skamania Lodge



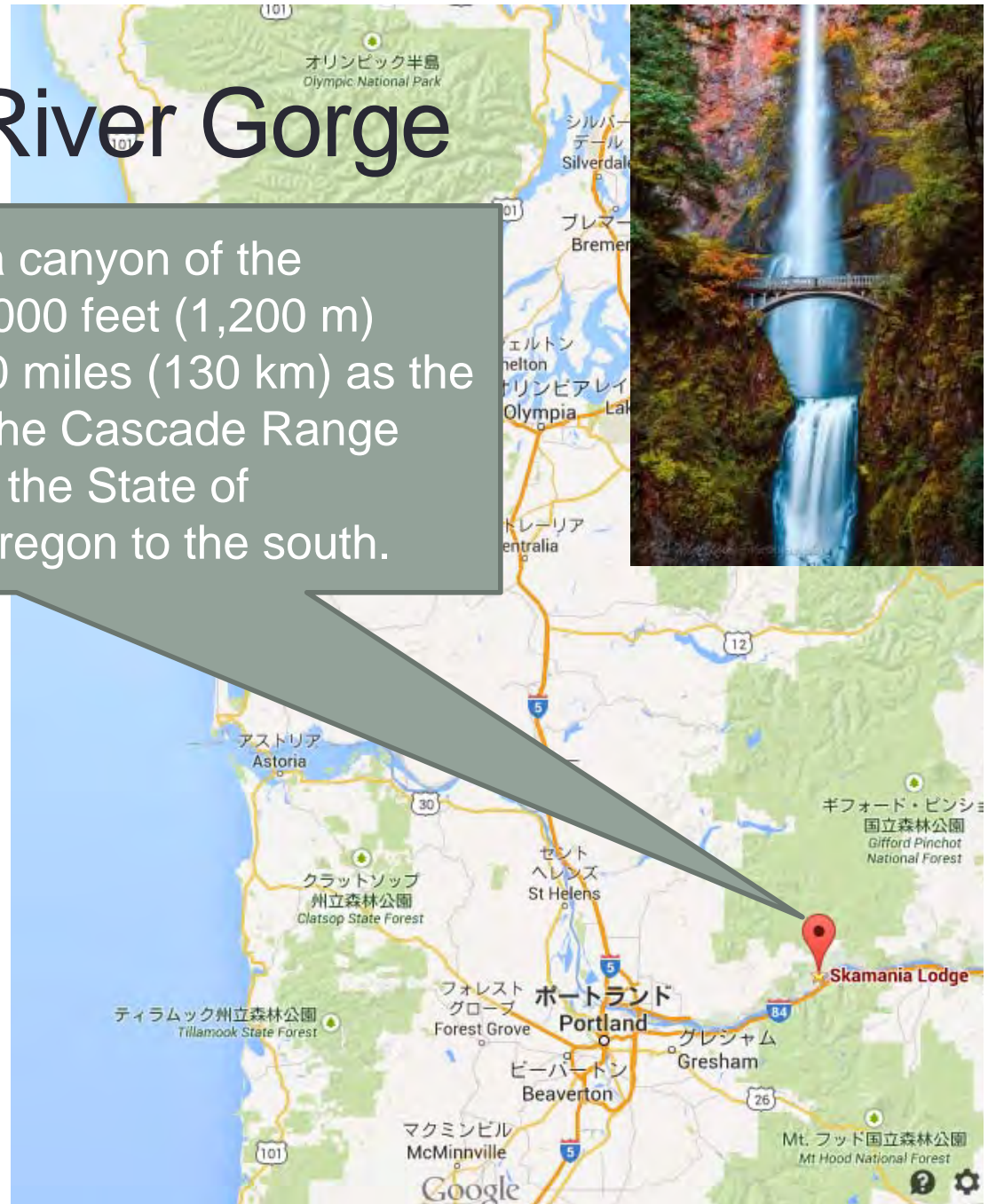
"Skamania" is the Chinook Indian word for "swift water". The resort, which overlooks the Columbia River is aptly named, as there are also over 70 waterfalls nearby.

The lodge was designed to be reminiscent of the great lodges of early 1900's, which had charm and appeal, and contained all modern guest conveniences. Thus, the design of the four-story Cascadian style lodge, with high-pitched roofs, interesting uses of timbers, wood paneling and native stone came to fruition..

- <http://www.skamania.com/washington-state-resorts.php>

The Columbia River Gorge

The Columbia River Gorge is a canyon of the Columbia River that is up to 4,000 feet (1,200 m) deep, and stretches for over 80 miles (130 km) as the river winds westward through the Cascade Range forming the boundary between the State of Washington to the north and Oregon to the south.



From Slides of CQR-TC meeting at GLOBECOM 2013

Technical Committee Business (1)

Update of Policies and Procedures

a) Add **Vice Chair-Social Media** and modify the duties of Vice Chair-Publication

2.1 Officers and their duties

Vice Chair-Publications shall:

- Promote ComSoc journals, magazines,
- Manage online Xplore publishing for technical papers presented at CQR Workshops.

Vice Chair-Social Media shall:

- Design and maintain the CQR web pages (for the annual workshops, hot topic workshops, Officers update, Chairman's Awards, etc.).

From Slides of CQR-TC meeting at GLOBECOM 2013

Technical Committee Business (2)

b) Add the procedure in the **case of absence or incapacity of officers**

2.2 Nomination and election procedure

In the case of Absence or Incapacity of:

- Chair: Duties shall be performed by the Chair-Elect and the Past Chair, in that order.
- Chair-Elect, Vice Chairs, Treasurer, and Secretary: The term shall be filled by the Past Chair, who shall continue in that capacity until a special election is held and a new officer is chosen.

From Slides of CQR-TC meeting at GLOBECOM 2013

Technical Committee Business (3)

c) Additional modifications:

1) Revise charter to streamline topics but also be **inclusive of new technologies**

1. Charter

- Quality aspects of emerging technologies and services, such as cloud, SDN/NFV, and IoT.

2) **Address role of Treasurer** - specifically to ensure financials are on budget for CQR workshops.

2.1 Officers and their duties

Treasurer shall :

Manage financial matters, especially on budget and expenses for CQR Workshops.

From Slides of CQR-TC meeting at GLOBECOM 2013

Technical Committee Business (4)

Additional modifications(cont.):

3) Beef up section on membership

3. Membership Criteria

Members are solicited on the opportunities of ICCs, GLOBECOMs and CQR Workshops. In particular, attendants to CQR-TC meetings, who are not a member, are recommended to become a member. If they accept, they are added to the mailing list. Member list is reviewed at least every ICC, GLOBECOM, and CQR Workshop. **A member becomes an active member if he/she has attended (physically present or by teleconference) two or more of the prior five regular scheduled TC meetings, or contributed substantially to the TC activities.**

From Slides of CQR-TC meeting at GLOBECOM 2013

Technical Committee Business (5)

Technical Co-Sponsorship (TCS) of Conferences

CQR's endorsements:

- ✓ APSITT 2015: 10th Asia-Pacific Symposium on Information and Telecommunication Technologies, Aug. 4-7, 2015
- ✓ RNDM 2015: 7th International Workshop on Reliable Networks Design and Modeling, Oct. 5-7 2015
- ✓ APCC 2015: 21st Asia-Pacific Conference on Communications, Oct. 12-16, 2015.

- ✓ DRCN 2016: 12th International Workshop on Design of Reliable Communication Networks, Mar. 14-17, 2016
- ✓ ICMU 2016: 9th International Conference on Mobile Computing and Ubiquitous Networking, Oct 4-6, 2016

From Kelly's Slides of CQR-TC meeting at GLOBECOM 2013

TC Business (2)

Conferences

- Review committee likes the fact that CQR has its own symposium.
- List provided in the questionnaire shows that the TC does endorse conferences
- No section on the website about CQR's endorsement of ComSoc conferences.
- Need to include information about how TC evaluates applications for technical co-sponsorship.

Publications

- Activities of TC in this area are thin.
- Only listed feature topic of IEEE Communications Magazine.
- Encourage TC to more actively participate in the management of one or more IEEE ComSoc publications.

Standards/Industry

- Some involvement with standards, but not with IEEE standards. Encourage TC to get more involved with IEEE ComSoc Standards Board.
- Provide names of a few members who are involved in ATIS, ITU, and IETF.

Collaboration

- How do you interact, if at all, with TCs where you have some overlap?

Reminder before Adjourn

**Mark CQR workshop 2016 on your calendar
May 10-12, 2016, Skamania Lodge, WA**



Any other business?
Q&A

Communications
Quality and Reliability

balance