

IEEE Communications Society
TECHNICAL COMMITTEE
ON
Communications Quality & Reliability

CQR

<http://www.comsoc.org/~cqr/index.html>

Committee Meeting
CQR Chair: Chi-Ming Chen
presented by Advisory Board Chair: Kenichi Mase

June 16, 2009
ICC2009, Dresden, Germany



Agenda

- CQR Background and Activities
- Charter
- 2009 TC Events
 - Election (every 2 years)
 - Chairman's Awards (every year)
 - TC Recertification (every 3 years)
- Strategic and Technical Programs
 - CQR2009
 - ICCs and GLOBECOMs
 - Planning of CQR2010
- Group Discussions

CQR Background and Activities (I)

- **CQR**: Technical Committee on **C**ommunications **Q**uality & **R**eliability
- Established in 1986 as **QAMC** (**Q**uality **A**ssurance **M**anagement **C**ommittee)
- One of the **25** Technical Committees of IEEE Communications Society (**ComSoc**)

<http://www.comsoc.org/socstr/org/operation/techcom/committees.html>

- IEEE is celebrating its 125th Anniversary
(**May 13, 1884**)



ComSoc Technical Committees

TC Cluster	Technical Committee (TC)
COMMUNICATION SOFTWARE & SERVICES (CS&S)	<u>Communications & Information Security (CIS-TC)</u> <u>Communications Software (CommSoft)</u> <u>Information Infrastructure (TCII)</u> <u>Multimedia Communications (MMC)</u> <u>Network Operations and Management (CNOM)</u>
COMMUNICATIONS/SIGNAL PROCESSING (C/SP)	<u>Communication Theory (CTTC)</u> <u>Data Storage (TCDS)</u> Power Line Communications (BOPL) Broadband Over Power Lines <u>Radio Communications (RCC)</u> <u>Satellite and Space Communications (SSC)</u> <u>Signal Processing and Communications Electronics (SPCE)</u> <u>Transmission, Access and Optical Systems (TAOS)</u>
NETWORKING (NET)	<u>Ad Hoc & Sensor Communications & Networks (AHSNTC)</u> <u>Cognitive Networks (TCCN)</u> <u>Communications Switching & Routing (TC CSR)</u> <u>Computer Communications (TCCC)</u> High-Speed Networking (TCHSN) - formerly Gigabit Networking <u>Internet</u> <u>Optical Networking (ONTC)</u>
VERTICAL ISSUES IN COMMUNICATION SYSTEMS (VICS)	<u>Communications Quality and Reliability (CQR)</u> <u>Communications Systems Integration & Modeling (CSIM)</u> <u>Enterprise Networking (EntNet)</u> <u>Tactical Communications and Operations</u> <u>Wireless Communications</u>

CQR: Background and Activities (II)

- First workshop in **1986**, Hotel LaSapinière, Val David, Quebec, Canada
- Holds annual international workshops, except **1996** and **2003**
- Hosting the annual workshop is becoming very challenging to keep the cost down (CQR Workshop registration fee covers everything: **Workshop, hotel, events, meals**)
- Three Committee Meetings each year:
 - **Last one**: CQR2009 Workshop, May 13, Naples, Florida, USA
 - **Today**: ICC2009, Tuesday, June 16, Dresden, Germany
 - **Next one**: GLOBECOM 2009, Dec. 1-3, Honolulu, Hawaii, USA

CQR Charter

- **Revised August 2006**
- **Focuses on and advocates worldwide communications quality 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

Officer Team (2008 – 2009)

Chair: Chi-Ming Chen, AT&T

陳啓明

Chair Elect: Hiromi Ueda, Tokyo Univ. of Technology

上田 裕巳

Vice-Chair-Operations: Hideaki Yoshino, NTT

吉野秀明

Vice-Chair-Programs: Peter Hoath, BT

Vice-Chair-Publications: Anil Macwan, Alcatel-Lucent

Secretary: Go Hasegawa, Osaka Univ.

長谷川 剛

Treasurer: Kevin Krantz, Nortel

Advisory Board

Kenichi Mase (Advisory Board Chair), Niigata Univ.

間瀬憲一

Karl Rauscher (Advisory Board Chair Emeritus), Alcatel-Lucent

Koichi Asatani, Kogakuin Univ.

淺谷耕一

Kelly Krick, Nortel

柯力克

Raymond Bonelli, Consultant

2009 Election

- **6 Positions for election (2010-2011 Term)**
 - (Current Chair Elect becomes Chair)
 - **Chair Elect**
 - **Vice-Chair-Operations**
 - **Vice-Chair-Programs**
 - **Vice-Chair-Publications**
 - **Secretary**
 - **Treasurer**
- **Chair of the Advisory Board to conduct the election**
- **Ballots to be sent by email**
- **List of Members is being updated for correct email addresses**
- **Election results will be announced in GC'09 TC meeting**

CQR Chairman's Awards

- **Established in 2004**
- **Criteria upon which recipients were selected include:**
 - **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**
- **Nominated by CQR Officers and Members of the Advisory Board **with nomination material****
- **Number of recipients 2004-2009: 5, 5, 3, 4, 2, 3**

TC Recertification

- All Communications Society (ComSoc) TCs are subject to recertification every 3 years
- Last time was in 2006; Will be recertified this year
- Long list of **31** questions to be answered
- Result can be **pass** (with suggestions to improve) or on **probation**
- CQR TC is very active in ComSoc. Passing the recertification is expected

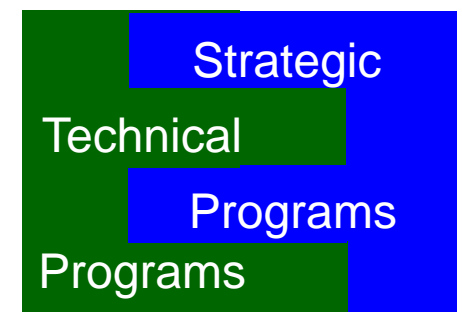
Strategic and Technical Programs

- Strategic (Industry Focused)
 - Annual International Workshops
 - Special Hot Topic Workshops
- Technical (Academia Focused)
 - ICC
 - GLOBECOM
- Combined
 - Technical paper track in the annual workshop (**Best Paper Award; Accepted papers on IEEE Xplore**)
 - Publications (e.g., ComMag)

From



To



Strategic Program - CQR2009

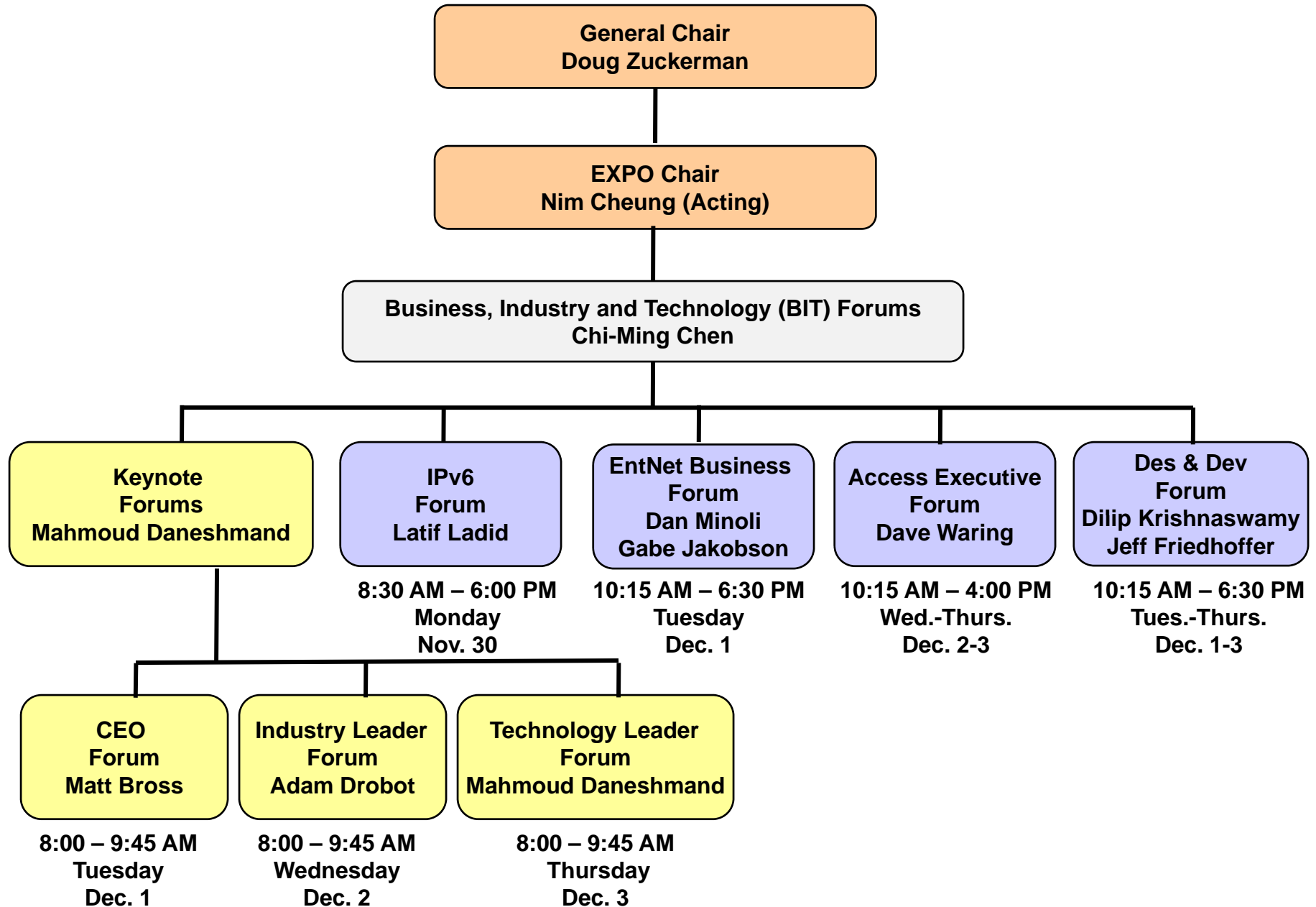
- CQR annual workshop is now categorized as a ComSoc “[Portfolio Event](#)” (Major Event)
- CQR2009 was held on May 12-14, Naples, Florida
- 3 Themes in the Strategic Track: Service, Network, and Global Operations & Outsourced Models
- Keynote Speakers: Kowsik Guruswamy (Mu Dynamics) and Chris Mayer (Verizon)
- Executive Panel
- 3 Sessions in the Technical Track; 2 Best Paper Awards
- 2009 Chairman’s Awards were presented to [Adam Drobot](#) (Telcordia), [Judy Harkins](#) (Gallaudet Univ.) and [Masayuki Murata](#) (Osaka Univ.)
- 73 attendees from USA, Japan, UK, France, Canada and Norway (Some had to cancel due to the Swine Flu situation).
- <http://www.ieee-cqr.org/2009>

QoS, Reliability, Perf Modeling Symposia of ICCs and GCs

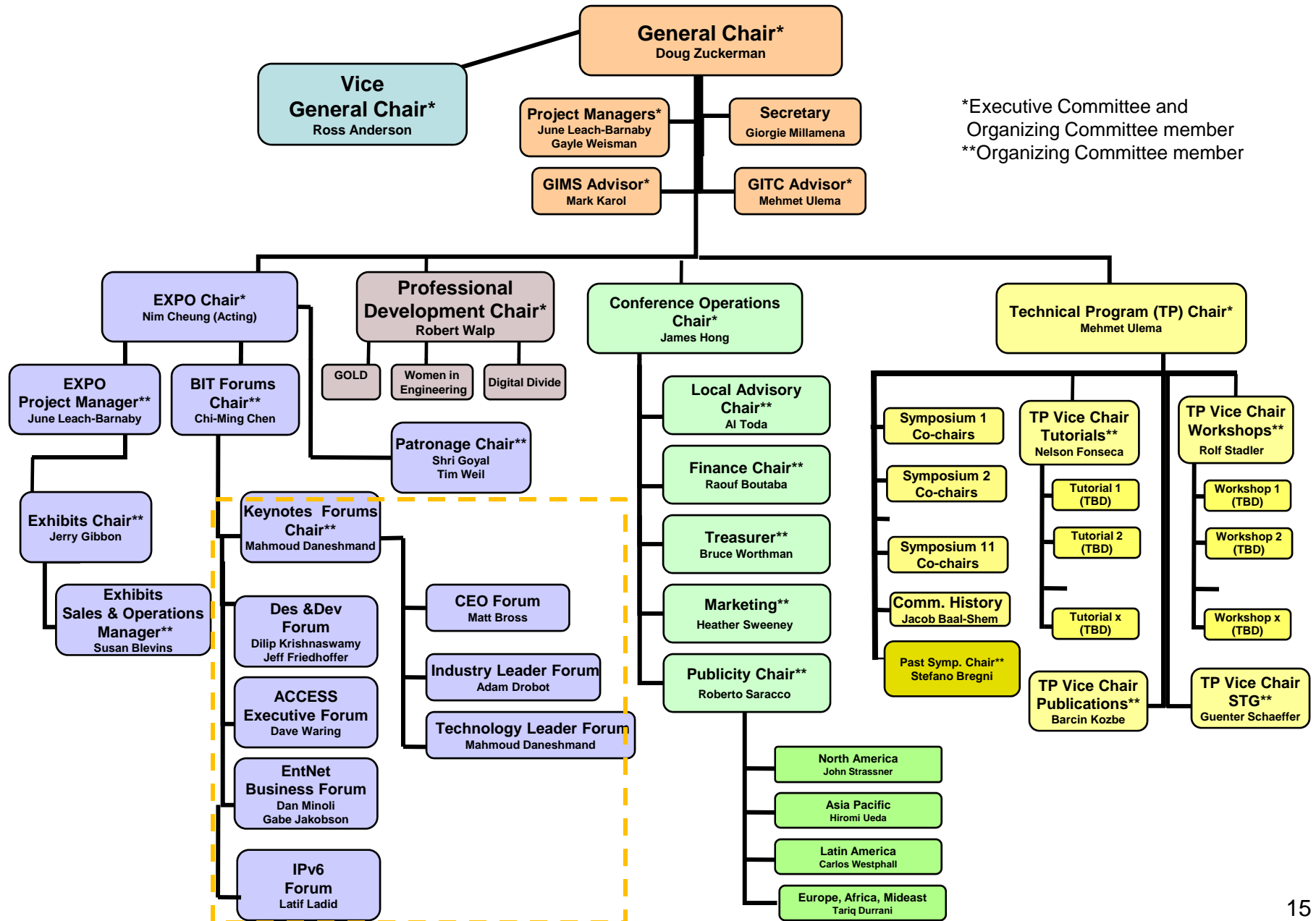
Year	ICC	GLOBECOM
2008	5/19-23, Beijing, China Hiromi Ueda	11/30 – 12/4, New Orleans Toshinori Tsuboi 坪井利憲
2009	6/14-18, Dresden, Germany Hiromi Ueda	11/30 – 12/4, Honolulu Hajime Nakamura 中村 元
2010	5/23-27, Cape Town, South Africa Toshinori Tsuboi	12/6-10, Miami Hideaki Yoshino
2011	6/5-9, Kyoto, Japan Toshinori Tsuboi	Huston, US Hideaki Yoshino

- With Communications Systems Integration & Modeling (CSIM) TC
- Additionally for GC'09, Chi-Ming Chen is serving as the Business Forums Chair, and Hiromi Ueda is the Asia Pacific Publicity Chair

GLOBECOM 2009 BIT Forums Organizational Structure – June 1, 2009



GLOBECOM 2009 Organizational Structure



*Executive Committee and Organizing Committee member
 **Organizing Committee member

Statistics of Papers

Conf.	Submitted	Accepted	A/S Ratio	Organization (presentation sessions and poster sessions)
ICC2008	221	74	33.5%	(10, 3)
GC2008	198	71	35.8%	(10,2)
ICC2009	178	63	35.4%	(9,1)
GC2009	213	*		

*

- Review is underway
- Acceptance to be discussed in ICC2009, Dresden, June 14-18, 2009
- Acceptance notification date: July 1, 2009

Planning of CQR2010 Workshop

Dates: June 8 – 10, 2010

Place: **The Westin Bayshore, Vancouver**

1601 Bayshore Drive

Vancouver, British Columbia V6G 2V4 · Canada

<http://www.westin.com/bayshore>

General Program Co-Chairs:

James Runyon, Alcatel-Lucent

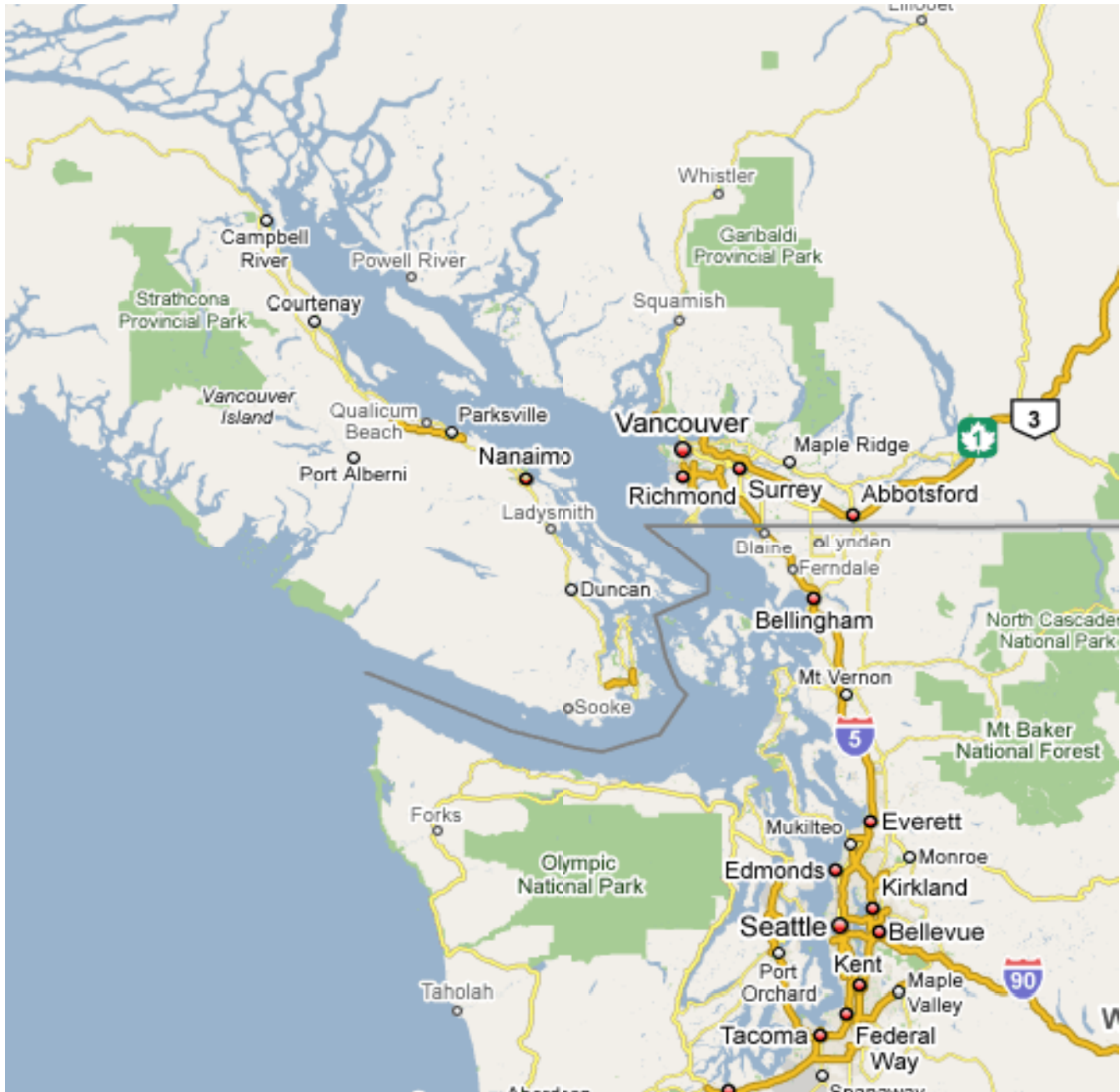
Martin Guldberg, Verizon Wireless

Technical Program Chair and Secretary :

Prof. Y. Ishibashi 石橋 豊, Nagoya Institute of Tech.

Prof. S. Sugawara 菅原真司, Nagoya Institute of Tech.

Workshop URL <http://www.ieee-cqr.org/>





CQR2010 - Technical Program

Scope

Various aspects of QoS and Reliability for the following topics:

- Grid and Distributed Computing
- Mobile and Ad Hoc Networks
- Overlay Networks
- Multimedia Networks and VoIP Services
- VPN, MPLS and Multicast Services
- Web Services
- Broadband Audio Visual Services
- Multi-sensory Communications
- Current and Next-generation Internet
- Emerging Technologies and Services

CQR2010 - Technical Program Scope

The **detailed technical areas** includes

- Measurements Techniques
- Network Architecture and Design
- Network Security
- Network Survivability
- Operations, Administration and Maintenance
- QoS Metrics and Measurement
- QoS Policy and Assessment
- QoE Assessment and Management
- Traffic Control
- Traffic Modeling and Characterization

CQR2010 - Technical Program

Important Dates

- **January 12, 2010**
 - Paper submission deadline
- **March 15, 2010**
 - Notification of acceptance mailed to authors
- **April 12, 2010**
 - Camera-ready paper submission deadline
- **June 8-10, 2010**
 - CQR 2010 Workshop

Submission

- Papers should describe original work, and be four to six two-column and single-spaced pages in IEEE conference style.
- The cover page should clearly indicate the complete postal and electronic mailing addresses, as well as the phone and fax numbers of the contact author.
- Paper submissions must be made electronically via e-mail attachment in PDF format to cqr-submission@ieee-cqr.org .
- Hardcopy submissions will not be accepted.
- For more information, please visit: <http://www.ieee-cqr.org/>

CQR2010 TPC members (tentative 1/2)

- Yutaka Ishibashi (**Chair**) Nagoya Institute of Technology Japan
- Shinji Sugawara Nagoya Institute of Technology Japan
- Go Hasegawa Osaka University Japan
- Toru Hasegawa KDDI R&D Laboratories Inc. Japan
- Kenji Hikichi Fujitsu Japan
- Hideaki Imaizumi University of Tokyo Japan
- Ryoichi Kawahara NTT Japan
- Takumi Miyoshi Shibaura Institute of Technology Japan
- Tutomu Murase NEC Japan
- Hidenori Nakazato Waseda University Japan
- Hitoshi Ohnishi The Open University of Japan Japan
- Katsunori Yamaoka Tokyo Institute of Technology Japan
- Tokumi Yokohira Okayama University Japan
- Tetsuya Yokotani Mitsubishi Electric Corporation Japan
- Paolo Bellavista Universita di Bologna Italy
- Rocky K. C. Chang The Hong Kong Polytechnic University HK
- Chi-Ming Chen AT&T USA
- Kuan-Ta Chen Academia Sinica Taiwan
- Yacine Ghamri Doudane Institut d'Informatique d'Entreprise France

CQR2010 TPC members (tentative 2/2)

- Nelson Fonseca State University of Campinas Brasil
- Fabrizio Granelli University of Trento Italy
- JongWon Kim Gwangju Institute of Science and Technology Korea
- Dan Keun Sung KAIST Korea
- Ning Wang University of Surrey UK
- Jing Wu Communication Research Center Canada Canada
- Weider Yu San Jose State University USA
- Homayoun Yousefi'zadeh University of California, Irvine USA

Group Discussions