

**IEEE Communications Society**  
**TECHNICAL COMMITTEE**  
ON  
**Communications Quality & Reliability**

**CQR**

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

***Committee Meeting***  
***CQR Chair: Chi-Ming Chen***

***May 13, 2009***  
***CQR2009, Naples, Florida, USA***



# ***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
  - 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 125<sup>th</sup> Anniversary **today** (**May 13, 1884**)



# ComSoc Technical Committees

TC Cluster	Technical Committee (TC)
<b>COMMUNICATION SOFTWARE &amp; SERVICES (CS&amp;S)</b>	<u>Communications &amp; 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>
<b>COMMUNICATIONS/SIGNAL PROCESSING (C/SP)</b>	<u>Communication Theory (CTTC)</u> <u>Data Storage (TCDS)</u> <b>Power Line Communications (BOPL) Broadband Over Power Lines</b> <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>
<b>NETWORKING (NET)</b>	<u>Ad Hoc &amp; Sensor Communications &amp; Networks (AHSNTC)</u> <u>Cognitive Networks (TCCN)</u> <u>Communications Switching &amp; Routing (TC CSR)</u> <u>Computer Communications (TCCC)</u> <b>High-Speed Networking (TCHSN) - formerly Gigabit Networking</b> <u>Internet</u> <u>Optical Networking (ONTC)</u>
<b>VERTICAL ISSUES IN COMMUNICATION SYSTEMS (VICS)</b>	<u>Communications Quality and Reliability (CQR)</u> <u>Communications Systems Integration &amp; 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 (**how to keep the cost down and still covers everything: Workshop, Hotel, Events, Meals**)
- Three Committee Meetings each year:
  - **Last one**: GC'08, Dec. 2, New Orleans, USA
  - **Today**: CQR2009 Workshop, May 13, Naples, FL
  - **Next one**: ICC2009, Tuesday, June 16, Dresden, Germany,

# ***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

陳啓明

**Chair Elect:** Hiromi Ueda

上田 裕巳

**Vice-Chair-Operations:** Hideaki Yoshino

吉野秀明

**Vice-Chair-Programs:** Peter Hoath

**Vice-Chair-Publications:** Anil Macwan

**Secretary:** Go Hasegawa

長谷川 剛

**Treasurer:** Kevin Krantz

## Advisory Board

**Kenichi Mase (Advisory Board Chair)**

間瀬憲一

**Karl Rauscher (Advisory Board Chair Emeritus)**

**Koichi Asatani**

淺谷耕一

**Kelly Krick**

柯力克

**Raymond Bonelli**

## ***2009 Election***

- **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 GC09 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

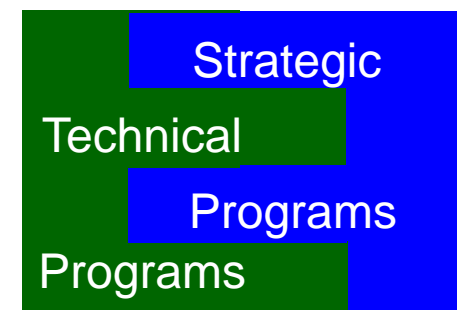
# Strategic and Technical Programs

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

From



To



# An Example of Hot Topic Workshop

## Priority Communications

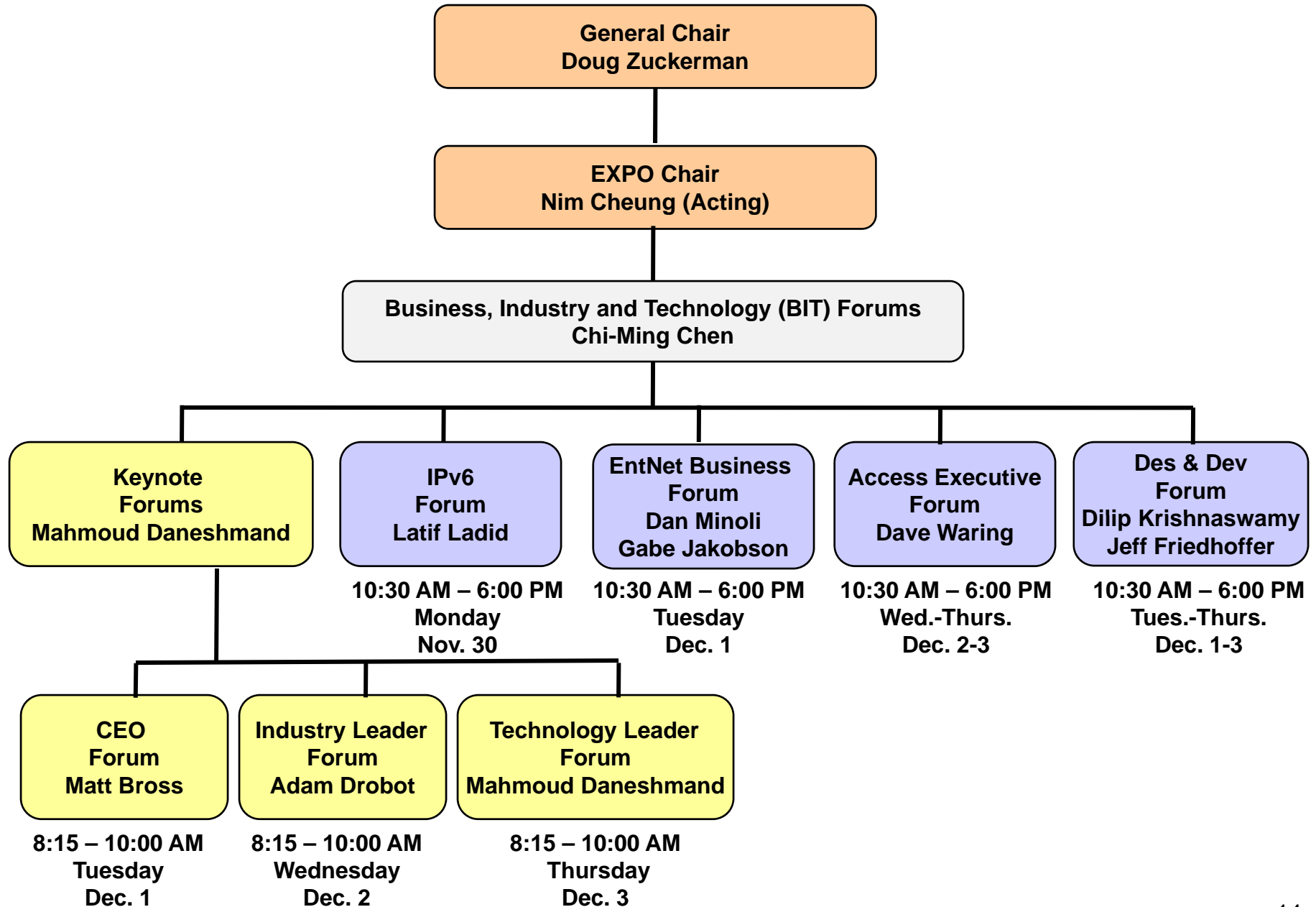
- **Where & When:** Bratislava, Slovakia, September 23, 2008
- **Purpose:** to advance the technical and policy understanding associated with the implementation of a **priority communications capability over public communications networks**
- Such a capability was presented in 2007 as a recommendation of the European Commission-sponsored Study on the Availability and Robustness of Electronic Communications Infrastructures (ARECI) and has since been well received by government and industry stakeholders in Europe and elsewhere
- The workshop ended with two focus groups examining issues related to: **1) Reliability and Security of Priority Communications** and **2) Future Priority Communications**
- The Workshop material is available on <http://www.comsoc.org/~cqr/Slovakia.html>

# **QoS, Reliability, Perf Modeling Symposia of ICCs and GCs**

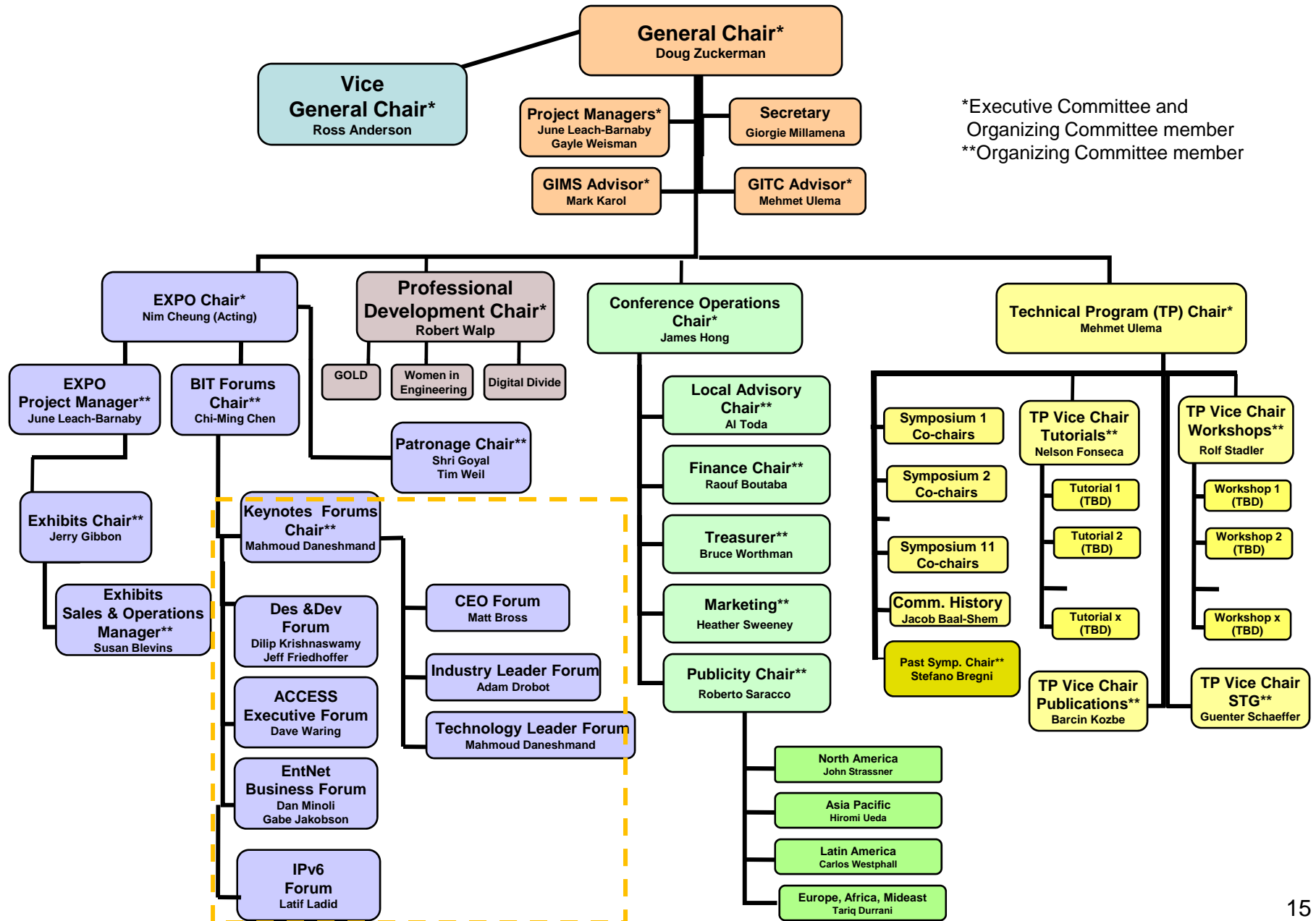
Year	ICC	GLOBECOM
2008	5/19-23, Beijing, China Hiromi Ueda	11/30 – 12/4, New Orleans Toshinori Tsuboi 坪井利憲
2009	6/14-18, Dresden, Germany Hiromi Ueda	11/30 – 12/4, Honolulu Hajime Nakamura 中村 元
2010	5/23-27, Cape Town, South Africa Toshinori Tsuboi	12/6-10, Miami Hideaki Yoshino
2011	6/5-9, Kyoto, Japan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

- 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



# GLOBECOM 2009 Organizational Structure (as of March 2009)



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

## ***Statistics of Papers***

<b>Conf.</b>	<b>Submitted</b>	<b>Accepted</b>	<b>A/S Ratio</b>	<b>Organization</b> (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** (proposed)

1601 Bayshore Drive

Vancouver, British Columbia V6G 2V4 · Canada

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

General Program Co-Chairs:

James Runyon, Alcatel-Lucent

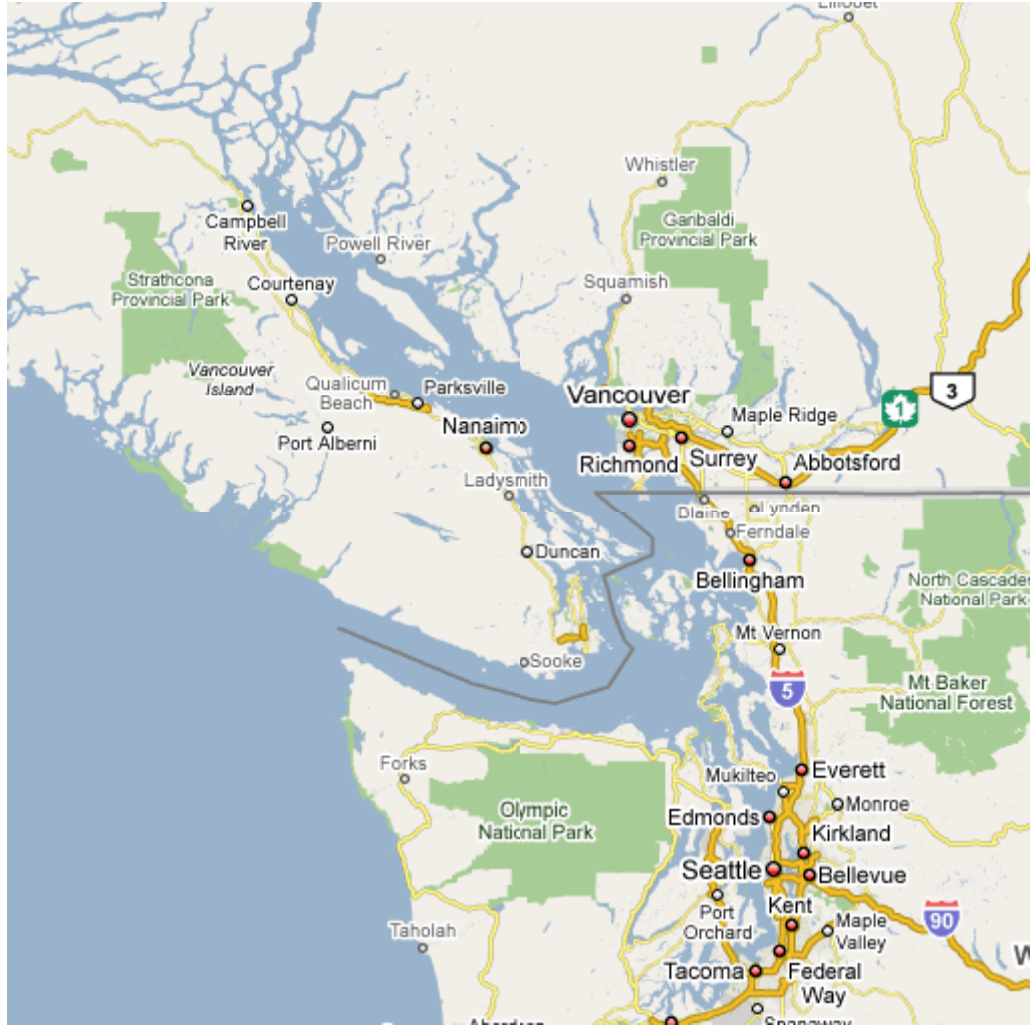
Martin Guldberg, Verizon Wireless

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/> (to be constructed after CQR2009)





# CQR2010 Technical Program Status

- Invitations to TPC members have been sent
- Call For Paper (CFP) is being drafted
- Plan to distribute the CFP in ICC2009, Dresden, June 14-18

# Workshops beyond 2010

- China
- Japan (1994, 2002, when and where)
- Hawaii
- Other US locations