

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

**CQR**

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

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

***December 2***  
***GLOBECOM2008, New Orleans, USA***

# ***Agenda***

- Welcome
- CQR Background and Activities
- Officers
- Charter
- Chairman's Awards
- Strategic and Technical Programs
- ICCs and GLOBECOMs
- Planning of CQR2009 and Future Workshops
- Member Services
- A Publication Proposal
- Adjourn

# ***CQR Background and Activities (I)***

- **CQR: Technical Committee on Communications Quality & Reliability**
- **Established in 1986 as QAMC (Quality Assurance Management Committee)**
- **One of the 24 Technical Committees of IEEE Communications Society (ComSoc).**
- **CQR was recertified by ComSoc in 2006 (every 3 years)**

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

# ComSoc Technical Committees

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

## ***CQR: Background and Activities (II)***

- Holds annual international workshops, except 1996 and 2003
- First workshop in 1986, Hotel LaSapinière, Val David, Quebec, Canada
- 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:** ICC2008, May 21, Beijing, China
  - **Today:** GC'08, Dec. 2, New Orleans, USA
  - **Next one:** CQR2009 Workshop, May 12-14, 2009, Naples, FLMeeting presentations and minutes are posted on the CQR web <http://www.comsoc.org/~cqr/TC-Meetings.html>
- Holds elections every two years (next election: 2009)

## Officer Team (2008 – 2009)

**Chair:** Chi-Ming Chen, AT&T

**Chair Elect:** Hiromi Ueda, Tokyo Univ. of Technology, Japan

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

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

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

**Secretary:** Go Hasegawa, Osaka Univ. Japan

**Treasurer:** Kevin Krantz, Nortel Networks

## Advisory Board

Kenichi Mase (Advisory Board Chair), Niigata Univ., Japan

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

Koichi Asatani, Kogakuin Univ., Japan

Kelly Krick, Nortel Networks

Raymond Bonelli

# ***CQR Charter***

- **Revised August 2006**
- **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 Award***

- **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**
- **Number of recipients 2004-2008: 5, 5, 3, 4, 2**



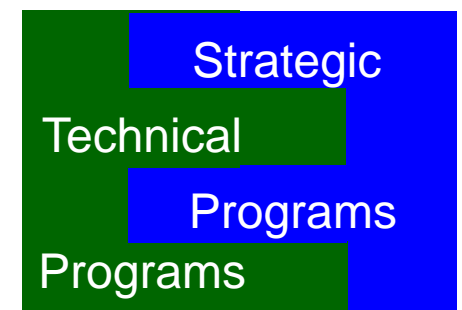
# *Strategic and Technical Programs*

- **Strategic (Industry Focused)**
  - Annual International Workshops
  - Special Hot Topic Workshops
- **Technical (Academia Focused)**
  - ICC
  - GLOBECOM
  - Symposia
- **Combined**
  - Technical track in the annual workshop
  - Publications

From



To



# ***Strategic Program - CQR2008***

- CQR annual workshop is now categorized as a ComSoc “Major” conference
- CQR2008 was held on April 29 – May 1, Carefree, Arizona
- 3 Themes in the Strategic Track: Global Operations, Next Generation Networks, Network Disaster Recovery and Business Continuity
- 4 Sessions in the Technical Track; 3 Best Paper Awards
- Keynote Speakers: Adam Drobot (Telcordia), Kevin Peters (AT&T), and Robert Nowill (BT)
- Executive Panel and Distinguished Experts Panel
- 2008 Chairman’s Awards presented by ComSoc President [Doug Zuckerman](#) and CQR Chair [Chi-Ming Chen](#) to [Karl Rauscher](#) and [Hossein Eslambolchi](#)
- 78 attendees from USA, Japan, UK, China, France, Germany and Israel.

# ***Strategic Program - Hot Topic Workshops***

## **Workshops on Availability and Robustness of Europe's Future Communications Networks**

<b>Workshop 1</b>	<b>Power &amp; Environment</b>	<b>Rome, Italy</b>	<b>October 3, 2006</b>
<b>Workshop 2</b>	<b>Network &amp; Payload</b>	<b>London, U.K.</b>	<b>October 6, 2006</b>
<b>Workshop 3</b>	<b>Hardware &amp; Software</b>	<b>Berlin, Germany</b>	<b>October 11, 2006</b>
<b>Workshop 4</b>	<b>Policy &amp; Human</b>	<b>Brussels, Belgium</b>	<b>November 15, 2006</b>

**Proceedings posted on <http://www.comsoc.org/~cqr/EU-Proceedings-2006.html>**

**Final ARECI Report (Availability and Robustness of Electronic Communications Infrastructure) is posted on the European Commission website [http://ec.europa.eu/information\\_society/newsroom/cf/itemdetail.cfm?item\\_id=3334](http://ec.europa.eu/information_society/newsroom/cf/itemdetail.cfm?item_id=3334)**

**In the report, “Special appreciation” is expressed to CQR for the support (page 127)**

## Priority Communications Workshop

- 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>

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

	ICC	GLOBECOM
2008	Hiromi Ueda	Toshinori Tsuboi
2009	Hiromi Ueda	Hajime Nakamura
2010	Toshinori Tsuboi	Hideaki Yoshino
2011	Toshinori Tsuboi	

- Additionally for GC'09, [Chi-Ming Chen](#) is served as the Business Forums Chair, and [Hiromi Ueda](#) is the Asia Pacific Publicity Chair
- Co-chairs of GC2010 and ICC2011 are newly appointed

# ***Technical Program – ICC2008 QoS, Rel, Perf. Modeling Symposium***

- ICC2008, May 19-23, Beijing, China
- Hiromi Ueda, Symposium Co-Chair (with CSIM-TC\*)
- 221 papers submitted, 74 accepted (33.5%)
- 10 presentation sessions and 3 poster sessions

\* Communications Systems Integration & Modeling TC

# ***Technical Program – GC2008 QoS, Rel, Perf. Modeling Symposium***

- GC2008, Nov. 30 – Dec. 4, New Orleans, USA
- Toshinori Tsuboi, Symposium Co-Chair (with CSIM-TC\*)
- 198 papers submitted, 71 accepted (35.8%)
- 10 presentation sessions and 2 poster sessions

\* Communications Systems Integration & Modeling TC

# ***Technical Program – ICC2009 Communications QoS, Reliability, and Modelling (CQRM) Symposium***

- ICC2009, June 14-18, Dresden, Germany
- Hiromi Ueda, Symposium Co-Chair (with CSIM-TC\*)
- 178 papers submitted and have been reviewed

\* Communications Systems Integration & Modeling TC



# ***Planning of CQR2009 Workshop***

Dates: **Tuesday, May 12 – Thursday, May 14, 2009**

Place: The Naples Beach Hotel & Golf Club  
851 Gulf Shore Boulevard North  
Naples, Florida 34102

<http://naplesbeachhotel.com/>

General Program Co-Chairs:

**James Runyon, Alcatel-Lucent**

**Martin Guldberg, Verizon Wireless**

Technical Program Chair:

**Professor Masayuki Murata, Osaka Univ. Japan**

**Professor Go Hasegawa, Osaka Univ. Japan**

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

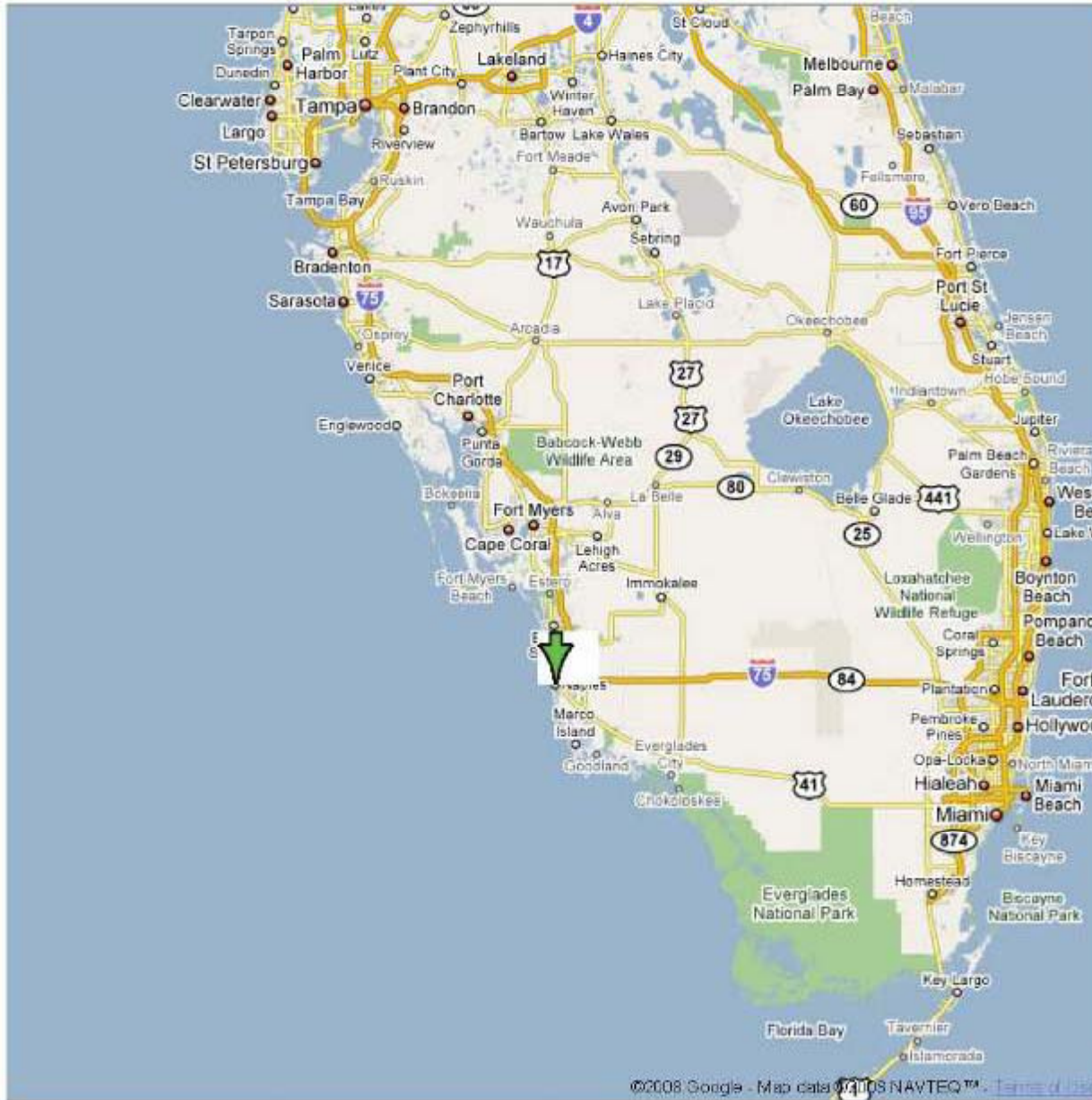


Address Naples, FL

Get Google Maps on your phone



Text the word "GMAPS" to 466453



©2008 Google - Map data ©2008 NAVTEQ™. Terms of Use



©The Naples Beach Hotel & Golf Club

## CQR2009 International Workshop

- Technical Paper Track
  - Paper submission deadline: Dec. 15, 2008
  - Accepted papers will be on IEEE Xplore
- Industry/Strategic Track: 3 Themes, one per day
  - Services: Theme Chair, Mike Ryan, Verizon Wireless
  - Networks: Theme Chair, Scott Poretsky, Allot Communications
  - Global Operations & Outsourced Models: Theme Chair, Fiona Ham, BT
- Executive Panel: Chair, Kelly Krick, Nortel

# ***CQR2009 - Technical Program***

## **Scope**

Various aspects of QoS and Reliability for the following networks/services:

- 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
- Current and Next-generation Internet
- Emerging Technologies and Services

# ***CQR2009 - Technical Program Scope***

The detailed technical areas includes

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

# ***CQR2009 - Technical Program***

## **Important Dates**

- **December 15, 2008**
  - Paper submission deadline
- **February 16, 2009**
  - Notification of acceptance mailed to authors
- **March 16, 2009**
  - Camera-ready paper submission deadline
- **May 12-14, 2009**
  - CQR 2009 Workshop

# Submission

- Papers should describe original work, and be four 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](mailto:cqr-submission@ieee-cqr.org) .
- Hardcopy submissions will not be accepted.
- For more information, please visit: <http://www.ieee-cqr.org/>



## CQR2009 TPC members (as of May 22, 2008)

- Masayuki Murata (**Chair**) Osaka University Japan
- Go Hasegawa Osaka University Japan
- Toru Hasegawa KDDI R&D Laboratories Inc. Japan
- Kenji Hikichi Fujitsu Japan
- Hideaki Imaizumi University of Tokyo Japan
- Takumi Miyoshi Shibaura Institute of Technology Japan
- Tutomu Murase NEC Corp. Japan
- Hidenori Nakazato Waseda University Japan
- Kawahara Ryoichi NTT Japan
- Katsunori Yamaoka Tokyo Institute of Technology Japan
- Tetsuya Yokotani Mitsubishi Electric Corporation Japan
- Tokumi Yokohira Okayama University Japan
- Paolo Bellavista Universita di Bologna Italy
- Albert Banchs Universidad Carlos III de Madrid Spain
- Rocky K. C. Chang The Hong Kong Polytechnic University HK
- Chi-Ming Chen AT&T USA
- Nelson Fonseca State University of Campinas Brasil
- Yacine Ghamri Doudane Institut d'Informatique d'Entreprise France
- Stefano Giordano University of Pisa Italy
- Michael Menth University of Wurzburg Germany
- Juergen Quittek NEC Europe Germany
- Dan Keun Sung KAIST Korea
- Weider Yu San Jose State University USA

## Workshops beyond 2009

- Vancouver, Canada, after the 2010 Winter Olympics
- China
- Japan (1994, 2002)
- Hawaii
- US West Regions

# Member Services / Communications

- 3 TC/Member Meetings per year: CQR workshop, ICC, GLOBECOM
- Promotion of member grade elevation
  - From member to Senior Member ([several members became SM recently](#))
  - From Senior Member to Fellow ([Hiromi Ueda, Class of 2008](#))
  - To set an example, we ask all officers to apply for SM or above
  - For more info, please see [CQR Home Page](#)
- Quarterly or semi-annually newsletters to members is being considered
- Recommend Distinguished Lecturers
- Publication opportunities for members
- Joint activities with other TCs

# ComMag Feature Topic Issue Proposal

- **Proposed feature topic:** [Network Disaster Recovery](#)
- **Scope:** Challenges, Strategies, Field Performance Results as seen by major service providers and business customers; Lessons learned from recent disasters
- Formed the Guest Editors team (3 Guest Editors)
- Collected abstracts from interested authors: AT&T, NTT, Alcatel-Lucent, China Mobile (lessons learned from the recent earthquake), ...
- Submitted the proposal to the Editor Board of ComMag on Oct. 8, 2008
- If accepted: review, revision and publish (estimated publication date: 2H09)

## IEEE Distinguished Lecturers

- Nominated one candidate
- In October, CQR's Koichi Asatani completed his Distinguished Lecture Tour in Chicago, New Jersey, Boston, and Hawaii. The topic is "Trends of Next Generation Networks and Its Issues"

[http://ewh.ieee.org/r1/njcoast/DLT08NJAsataniDistF\[1\].pdf](http://ewh.ieee.org/r1/njcoast/DLT08NJAsataniDistF[1].pdf)

## ***Reminders before Adjourn***

- **Upgrade your IEEE membership to Senior Member or Fellow**

<http://www.comsoc.org/join/index.html>

- **Mark CQR2009 on your calendar**  
Tuesday, May 12 – Thursday, May 14, 2009,  
Naples, Florida
- **Next TC meeting, May 12-14, CQR2009,  
Naples, Florida, USA**
- **See you in Naples, FL, USA; Dresden,  
Germany; Honolulu, Hawaii**

***Thank you!***