

IEEE COMMUNICATIONS SOCIETY

Radio Communications Committee (RCC)

Minutes from Meeting on June 9, 1998 ICC '98, Atlanta, USA

1. The Radio Communications Committee (RCC) meeting was opened at 5:00 PM by the RCC Chair, Paul Lemson. After a brief description on the role of the RCC within ComSoc, the Chair invited the members attending to introduce themselves.

Paul also solicited ideas on how the RCC could involve more people.

Ideas suggested by those present included:

1. RCC should take an active part in organizing more Systems and Applications sessions. These sessions are much more interesting than the regular technical sessions, attracting a bigger audience. Also, equipment and service provider companies should be encouraged to participate, to avoid an academic-only focus.
2. RCC should assume a more active role in telecom standards liaison. RCC could align ourselves with COST and ACTS objectives.
3. More attention to CDMA Multi-user systems
4. More focus on hardware - CDMA/TDMA/GSM
5. More education to show that the core of wireless is RADIO
6. Highlight the results of the ACTS and COST programs, and organize sessions on UMTS
7. Promote sessions on Wideband and Multimedia Radio Access for the next few conferences (e.g., 10 Mbps)
8. Re-name the RCC to be "Mobile and Fixed Radio Comms. Committee" or "Wireless and Radio Comms. Committee" or "Mobile Radio Comms. Committee".

Paul also encouraged more of the members to become active in planning future conferences. About five members should be identified to provide the continuity we need.

Election of the new Secretary: Marty Meyers can not act as a Secretary for a couple of years, being now more involved in the BSTJ. Marco Chiani was nominated for the Secretary position. The Committee elected the nominee unanimously. The RCC Chair, ViceChair, and Secretary are therefore Paul Lemson, Mehmet Ulema and Marco Chiani, respectively.

2. The minutes of the RCC meeting at Globecom'97 were reviewed and approved.
3. The RCC Chair reported a number of hot topics to be suggested for future conferences:
 - o 3rd Generation Cellular and PCS systems
 - o Fixed Wireless Access and LMDS
 - o Personal and Vehicular Location Systems
 - o Fixed Radio Access
 - o Wireless Multicarrier and OFDM Systems
 - o Smart Antennas
 - o Indoor Wireless Networks
 - o CDMA and Hybrid Multiple Access
 - o Wireless Broadband ATM
 - o Wideband and Millimeter wave Access..
 - o Software Radio
 - o Implementation of Software Radio Architecture
 - o DSP for Wireless Deployment and Engineering of CDMA Networks (should solicit papers from service providers, should address dual-mode planning, e.g., AMPS/CDMA and systems engineering)
 - o UNII systems for the U.S., using the newly-allocated spectrum Dual receivers

4. The Technical Affairs Council (TAC) Report was presented by Paul. the following points were made:
 - o ComSoc will be much more involved in Standards. Working groups within ComSoc will have an active role in the definition of Standards.
 - o Virtual ComSoc: ComSoc will potentiate the Web services for the members, with more service-oriented material on the Web. This is expected to increase the memberships to ComSoc.
 - o Globecom'99 will be organized in Multiple Symposia, with multiple technical tracks superimposed to the General Technical Sessions. Seven hot topics will act as tracks.
5. Liaison Activity Reports VTC - No official liaison was present. - There was no report on MTT - MILCOM - No official liaison was present.
6. Conference Reports:
 - o ICC '98 - Marty reported that the Committee is sponsoring 6 sessions: Algorithms and Performance of CDMA, OFDM systems, Implementation and performance Aspects of CDMA, Advances in GSM, Wireless Access and Wireless Channels and Receivers.
 - o Globecom '98 - Paul reported the TPC meeting he attended. More than 1200 papers were received, 84 sessions and 30 tutorials have been organized. There will be 14 parallel tracks or sessions.

The RCC reviewed 44 papers. 7 sessions will be sponsored or co-sponsored by RCC:

 - Intelligent Antennas I
 - Intelligent Antennas II
 - Radio Propagation, Modeling, and Measurements
 - Countermeasures for Wireless Channel Impairments and Interference
 - Wireless Broadband and ATM Systems
 - Indoor Infra-red Systems
 - Advances in Radio Technology Applications.

The conference will be held in November 8-12, 1998 in Sydney, Australia.

 - o ICC '99 - Mehmet attended the TPC meeting. The conference will be in June 99 in Vancouver. The deadline for submitting papers is August 15, 1998. Vijay Bhargava is the chair for TPC. In conjunction with ICC'99, a mini conference on Multimedia Applications, Services, & Technologies is organized by the Technical Committee on Multimedia Communications. The Communication Theory Committee has also organized a Communication Theory Mini-Conference in parallel with ICC99.
 - o Other conferences:- The following is a list of other related meetings and conferences
 - Oct '98 - ICUPC in Florence, Italy
 - Globecom '99 - December 5-9, 1999 in Rio, Brazil
 - ICUPC '99 - New Orleans
 - ICC 2000 - New Orleans
 - Globecom 2000 - San Francisco
 - ICC 2001 - Helsinki
7. Old Business There was no old business.
8. New Business There was no new business.
9. The meeting was adjourned at 6.30 PM.

ATTENDEES

- Paul Lemson - Innova Corp.
- Marty Meyers - Lucent Technologies
- Wen-Yi Kuo - Lucent Technologies
- Mehmet Ulema - Daewoo Telecom

- Marco Chiani - University of Bologna
 - S.Rievers - CSEM, Wireless Comm
 - Claude Royer - Nortel
 - Yugi Yoa- Lucent Technologies
 - Nung Yang - GTE Laboratories
 - Bin Li - Nortel
 - Muzaffer Kanaan - GTE Laboratories
 - Xiaodong Gu - Wavetek Corp.
 - Takehiro Murase - NTT
 - R.M. Mattern - Consultant
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