

Communication Theory Technical Committee Meeting
GLOBECOM '98
November 10, 1998

1. On behalf of the Communication Theory Technical Committee Chair Peter McLane, the meeting was called to order at 5:50 PM by the Vice Chair Ender Ayanoglu.

2. Conference Reports

* GLOBECOM '98 (Sydney, Australia, 11/8-11/12, 1998) (B. Vucetic K. C.) 6 L Chen, and K. Rose) Branka Vucetic addressed the committee. Our committee sponsored 11 sessions (out of 89 total) during GLOBECOM '98. The sessions are (title, chair, number of papers)

- 1) Modulation and Coding I, J. Yuan, 8
- 2) Multicarrier and OFDM, H. Sari, 8
- 3) Error Control Coding, L. Wei, 7
- 4) Modulation and Error Control Coding, V. Bhargava, 5
- 5) Spread Spectrum Multiple Access, S. Glisic, 7
- 6) Synchronization, A. Ogawa, 9
- 7) Synchronization, D. Falconer, 9
- 8) Modulation and Coding II, S. Pietrobon, 8
- 9) Advanced Receiver Architecture, D. Di Zenobio, 8
- 10) Multiuser Detection and Coding, P. Rapajic, 8
- 11) Genetic Alg., Neural Comp. & Fuzzy Applications, J. Elmighani, 6

Branka Vucetic stated our sessions were well-attended in general. Desmond Taylor stated that although the technical program of the conference was good, the logistics were very bad. There was general agreement with that statement. Marvin Simon questioned the wisdom of a university in Melbourne organizing a conference in Sydney. Branka Vucetic stated that transportation to and from Sydney is easier whereas Monash University in Melbourne has an office that organized conferences in the past, although those were smaller domestic conferences.

* CTMC-7: (Sydney, Australia, 11/8-11/12, 1998) (R. Kennedy and)6 L K. Ben-Letaif) Khaled Ben-Letaif reported that the mini-conference was going well. There were 88 submitted papers, 48 of which were accepted to form 6 sessions. Most of the papers that could not be accommodated in the mini-conference were passed to the main conference and got accepted. The sessions in the mini-conference are (title, chair, number of papers)

- 1) Fading Channels, N. C. Beaulieu, 8
- 2) Equalization, R. Kennedy, 8
- 3) Multiuser Detection and CDMA Systems, P. Rapajic, 8
- 4) Iterative Decoding, P. Robertson, 8
- 5) OFDM, N. Ansari, 8
- 6) Modulation and Coding, A. Sheikh, 7

Sergio Benedetto commented that although the papers were of good quality in general, there were some irrelevant papers in the mini-conference. Khaled Ben-Letaif explained there was pressure from the conference to accept many papers and added the Technical Program Committee tried to do their best to group accepted papers appropriately.

* ICC '99 (Vancouver, Canada, 6/6-6/10, 1999) (P. Ho, A. Yongacoglu,)6 L and G. Caire). Paul Ho addressed the committee. He stated that there are altogether 7.5 sessions sponsored by Communication Theory, of which two are joint sessions. The acceptance ratio is about 40%. The sessions are (title, organizer, chair, co-sponsor if any)

- 1) Turbo Codes, D. Haccoun, D. Haccoun
- 2) Coding Techniques, A. Guilliver, S. Benedetto
- 3) Modulation and Coding I, G. Caire, P. Y. Kam
- 4) Modulation and Coding II, A. Yongacoglu, J. Lodge, Radio Comm.
- 5) Multiuser Receiver and Interference Mitigation, P. Ho, W. Kryzmien
- 6) Equalization and Synchronization, J. Huber, J. Cavers
- 7) Performance Analysis, C. Tallambura, E. Panayirci, Personal Comm.
- 8) Multicarrier and OFDM, H. Sari, H. Sari, 1/2 session

Paul Ho emphasized that the names are tentative, pending approval by the conference.

* CTMC-8 (Vancouver, Canada, 6/6-6/10, 1999) (Y. Bar-Ness) Yeheskel)6 L Bar-Ness is the general chair. This is the first CTMC to be held at

an ICC. The information received from Yeheskel Bar-Ness was summarized: The mini-conference received 55 papers. The papers were reviewed by a technical program committee consisting of 7 members. CTMC-8 plans to form 6 sessions. The titles and chairs will be decided shortly. It is expected that the sessions will have a minimum of 5 papers each. The mini-conference charges will be C\$90 for regular registration, C\$120 for on-site registration, and C\$30 for an extra copy of the Proceedings.

* GLOBECOM '99 (Rio de Janeiro, Brazil, 12/5-12/9, 1999) (E. Biglieri) GLOBECOM '99 is being organized in the form of a collection of 9 symposia and a main conference. Communication Theory is one of the 9 symposia and its chair is Ezio Biglieri. An initial technical program committee is formed. Our committee is co-sponsoring the symposium on Advanced Signal Processing for Communications. A request for a Communication Theory representative for the main conference will be made via e-mail.

* ICC '00 (New Orleans, Louisiana, 6/18-6/22, 2000) This conference is in the process of being organized. Local arrangements are made but the structure of the conference is still in question. A request for a Communication Theory Committee representative will be made via e-mail.

3. Workshop Reports

* Workshop '99 (Aptos, California, 5/23-5/26) (C. Robertson, A. Goldsmith, L. Cimini) The report received from the organizers was summarized: The location for this workshop is the Seascape Resort, Aptos, California. Room rates are \$150 per night, early registration is \$500. The technical program will consist of five sessions with six talks per session (15-20 minute talks with 5-10 minutes for questions) in the general areas of

- 1) Iterative Techniques
- 2) Adaptive Techniques
- 3) Implementation/Hardware
- 4) Networks
- 5) Special Topics

Tentative session chairs have been identified, and will be confirmed by mid-November. The speakers for each session should be in place around the end of the year. The goal is to make the workshop very interactive with lots of discussion. It will be requested that the talks present up-to-the-minute research results. In short, it is desired to differentiate workshop talks from conference talks as much as possible. This will be emphasized to both the session chairs and the speakers.

Sergio Benedetto commented that the 15-20 minute talks are too short and that time should be extended. Several attendees agreed with this statement.

* Workshop '00 (Florida) (D. Schilling, R. Pickholtz, K. Dominiak) The organizers are still looking for a location. Further information will be provided via e-mail.

4. Announcements

- Our nominee Donald Schilling received the 1998 Armstrong Award of the IEEE Communications Society. In previous years, our committee has nominated David Forney for the Christoforo Columbus award and Marvin Simon for the Armstrong Award. In all three cases, our nominees won the awards we nominated them for.

- Summary of the TAC (Technical Activities Council) meeting:

* Nominations for all IEEE Communications Society awards can be made by any IEEE Communications Society technical committee, any member of a technical committee, or any member of the IEEE Communications Society. See the URL <http://www.comsoc.org/~awards>.

* The new IEEE Transactions on Multimedia, of three societies) of the IEEE (Signal Processing, Communications, Computers) is looking for associate editors. Send your nominations to the committee secretary.

* A new committee of the IEEE Communications Society, the Technical Committee on Emerging Technologies and Hot Topics, is looking for volunteers. Contact Stamatios Kartalopoulos, kartalopoulos@lucent.com if you would like to volunteer.

* Membership Programs Development Director of the IEEE Communications Society, Savo Glisic, is looking for volunteers. The goal is to increase the number of members of the IEEE Communications Society by 100% in two years. If you would like to volunteer, contact Savo Glisic, savo.glisic@ee.oulu.fi.

- There was a discussion on the request by the IEEE Communications Society 1999 Wireless Communications and Networking Conference (WCNC '99) Technical Program Chair Jerry Gibson. Jerry Gibson requested the Committee's support, in a form to be determined by the Committee. The subject of sponsorship by the Committee was raised. Several of our members indicated that WCNC is a conference of the IEEE Communications Society and that individual technical committees do not sponsor IEEE Communications Society conferences. After some discussion, the Committee decided to pledge its full support of WCNC '99. Our members who would like to help with the technical program of WCNC '99 should get in touch with Jerry Gibson, gibson@seas.smu.edu.

- Marvin Simon addressed the committee on behalf of the New Chair Search Subcommittee of the Committee. With the term of the current cabinet ending at the end of 1998, the Subcommittee was formed to elect the new chair of the Committee. Marvin Simon read the memorandum prepared by the Subcommittee (attached) and asked for the endorsement of the chair-elect Ender Ayanoglu. The endorsement was approved. Ender Ayanoglu is requesting volunteers to serve on the new cabinet. If you would like volunteer a member, send e-mail to ender@lucent.com.

5. The meeting adjourned at 6:52 PM.

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TO: Communication Theory Committee

FROM: New Chair Search Subcommittee

DATE: October 8, 1998

RE: Caucus for New Chair of the Communication Theory Committee

Following past procedures of the Communication Theory Committee, a new chair search subcommittee was formed after ICC'98. This subcommittee is chaired by the past chairman (Larry Milstein) and contains several other senior committee members, typically past officers (Peter McLane and Joe LoCicero, in this case). The subcommittee is charged with soliciting nominations at large, and acting as a caucus for the new chair of the Communication Theory Committee, whose term is to last for 3 years (1999 through 2001, inclusive).

A call for nominations was made at the Communication Theory Committee Meeting in June 1998 at ICC'98, and a broadcast e-mail call was sent to all members by Larry Milstein in August 1998. The names of all nominees were forwarded to Larry Milstein, and nominations were closed on Sept. 15, 1998.

The subcommittee caucused for the "chair-elect", and selected Ender Ayanoglu, who subsequently accepted the position. The "chair-elect" will generally ask other committee members to serve as officers in his or her cabinet, as well as seek volunteers for officer position at the next GLOBECOM (in this case, GLOBECOM '98). The accepted procedure to conclude the new chair search process is to have the Communication Theory Committee endorse the caucus "chair-elect" at GLOBECOM.

Since none of the members of the New Chair Search Committee are able to attend GLOBECOM '98, they have asked Marv Simon to bring this to the Communication Theory Committee, and chair the end of the committee meeting, at which time the committee endorsement is sought for the "chair-elect", Ender Ayanoglu.