

Communication Theory Technical Committee Meeting  
GLOBECOM '97  
Hyatt Regency Hotel, Phoenix, Arizona

1. The meeting was called to order at 5:10 PM.
2. Joe LoCicero announced that Marvin Simon was nominated by our committee and won the 1997 Armstrong Award. The award was presented at the Award luncheon at GC'97. The citation for Marvin Simon is:

"For seminal contributions spanning three decades in the design and analysis of novel coherent digital communication systems, including synchronization and tracking, differential modulation and signal design, spread spectrum techniques, and trellis-coded modulation for fading channels."

The committee is seeking volunteers to work in future award nomination processes.

### 3. Conference/Workshop Reports

GLOBECOM '97 (Phoenix, 11/2-11/7) (J. Livingston, K. Ben-Letaif): John Sadowsky and Khaled Ben-Letaif reported that everything went smoothly. Comments from discussions that followed include:

- overlap between GLOBECOM and MILCOM was recognized.
- information regarding speakers who did not show up to give their talks should be passed on to future conferences for officials purposes.

CTMC-6 (Phoenix, 11/2-11/7, 1997) (N. Beaulieu, C. Georghiades): Norm Beaulieu addressed the committee. 92 papers were received. Six sessions were formed, each including 7 papers. Out of the 42 papers, 18 were from outside the US, and 8 from the industry. There were 209 registrants. The median attendance for each session was 59 (cf., about 49 the overall GLOBECOM). Comments/suggestions from members:

- should have control of admission to sessions.
- should have a lower fee for student registration.
- should not even charge for registration (currently \$60/\$80 for advance/on-site registration) but need to charge for conference records to recover printing costs.
- should impose a fee for internet access

Workshop '97 (C. Robertson, A. Polydoros, A. Kakaes): The Workshop was successfully held in April 27-30, in Tucson, Arizona.

ICC '98 (Atlanta, 6/7-6/11) (E. Sousa, G. Stuber): Elvino Sousa addressed the committee. There were 550 papers submitted. The acceptance ratio was 63%. 50 sessions will be formed. The papers were allocated to the various committees through a bidding process. The number of papers allocated to Comm Theory was 101. The following 9 sessions were organized by Comm Theory (with two sessions co-sponsored by the Signal Processing and Communication Electronics):

- Modulation and Coding -)11(Hoeher)
- Iterative decoding)11(-)35(Robertson)
- Multi-user detection -)11(Svensson)
- Interference Cancellation - Barness)
- Multi-carrier)11(-)35(Fazel)
- Equalization)11(-)35(Li co-sponsored with SPCE)
- Blind Equalization)11(-)35(?)43(co-sponsored with SPCE)
- Receiver Algorithms -)11(Chugg)
- Synchronization)11(-)35(Win)

Session titles will be reworded to better reflect the main focus of papers in each session.

GLOBECOM '98 (Sydney, Australia, 11/8-11/12, 1998) (B. Vucetic, K. C. Chen, and K. Rose) Branka Vucetic and K. C. Chen addressed the committee. The deadline for paper and tutorial/workshop submission is 2/13/1998. Electronics submission will not be accepted, so the authors have to make sure they clearly indicate the subject areas and/or technical committees of interest. The session proposals include:

- K. Fazel, Multi-Carrier Spread Spectrum)
- J. Barry, Equalization)
- U. Mengali, Synchronization)

- A. Yongacoglu, Coding and Modulation)
- G. Raleigh, Multicarrier for Non-Spread-Spectrum Systems)
- N. Vojcic, Multiuser Detection)
- D. Falconer, Space-Time Signal Processing)
- M. Win, Propagation)
- H. Sari, Multiple Access Techniques)

CTMC-7: (Sydney, Nov. 1998) (R. Kennedy and K. Ben-letaif)  
Rodney Kennedy reported that everything was going well. Paper submission will have the same deadline as GC'98. Sessions will be nominated through the Web page; volunteers are welcome.

Workshop '98 (S. Miller, J. Winters, K. Dominiak): Scott Miller gave a presentation to the committee. See a recent broadcast email message (sent 11/19) for details regarding Workshop'98.

ICC '99 (Vancouver, Canada, 6/6-6/10, 1999) (P. Ho, A. Yongacoglu, and G. Cairer). Vijay Bhargava is the Technical Program Chair for this conference. Session proposals include:  
S. Ariyavisitakul, Equalization)  
U. Mengali, Synchronization)  
G. Raleigh, Information Theory in Time-Varying Channels )  
A. Goldsmith, Shannon-Like Capacity for Wireless)  
G. Raleigh, Space-Time Signal Processing)  
H. Sari, Multiple Access Techniques)  
K. Fazel, Wireless Indoor Communications)  
P. Roberson, Iterative receiver structure)

CTMC-8 (Vancouver) Y. Bar-Ness will be the General Chair.

Workshop '99 (West Coast TBA): C. Robertson will be the General Chair. A. Goldsmith and L. Cimini will be the TPCs.

GLOBECOM '99 (Rio de Janeiro, Brazil) The committee is seeking volunteers for TPC representatives.

#### 4. TAC Meeting Report

E. Ayanoglu summarized the TAC meeting. There was a proposal to merge ICUPC with Personal Communications Industry Association (PCIA) trade show for years 1999 and 2000. This is an effort to best represent wireless communications conferences within ComSoc. Also, ComSoc will start special interim JSAC issues on wireless communications in 1999 (4 issues/year, separate from the regular JSAC). The new publication will have an editorial board of its own, and will serve as a wireless forum journal within ComSoc. If this interim journal is proved to be successful, ComSoc may consider having regular Transactions on wireless communications within 2 years thereafter.

5. Minutes of the meeting at ICC'97 were approved unanimously.

#### 6. Other Businesses:

M. Medley reported the session proposals for MILCOM'98 and welcome suggestions and volunteers as session organizers

The mandate of current executives will end in 1998. Nomination committee for new executives will be put up soon.

7. The meeting adjourned at 6:55 PM.