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COMMUNICATION FOR GLOBAL USERS

ORLANDO

IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE • ORLANDO • FLORIDA

Including a Communications Theory Mini-Conference

Technical Program Conference Record

Vol 1 of 34

DECEMBER 6-9, 1992

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<u>Volume</u> 1	<u>Day</u>	Sessions	Pages
	MONDAY	1-18	1 - 648
2	TUESDAY	19-36B	649 -1254
3	WEDNESDAY	37-54	1255 -1920



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1992 IEEE GLOBECOM

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Greetings from the General Chairman

Escape to the land of sunshine and balmy breezes for a look into the future of telecommunications at GLOBECOM '92, December 6-9, at the Buena Vista Palace, Orlando, Florida. This year's conference promises an excellent technical program for attendees from all points of the globe. Members of the IEEE Communications Society in particular will make GLOBECOM '92 a focal point of their meeting year, providing a valuable opportunity to make contacts in this arena. Join us in Orlando, the southern gateway to growth and technical innovation.

The heart of GLOBECOM '92 is, as always, its comprehensive technical program, which includes several tutorials and workshops in addition to 54 technical sessions. The technical sessions will run from Monday, December 7, through Wednesday, December 9. An additional attraction will be the debut of the Communication Theory Mini-Conference (CTMC), which highlights developing theoretical issues. The CTMC is sponsored by the Communication Theory Committee of COMSOC in cooperation with Commission-C of U.R.S.I. and the IEEE Information Theory Society. Sessions will run from the afternoon of Monday, December 7, through the morning of Wednesday, December 9.

Exhibits are shaping up nicely as December draws near, leaving us with 25 exhibitors at program printing. This will include several international exhibitors. The Great Hall East/West/Center will be the location of the General Chairman's Reception.

A taste of the offerings of Central Florida is provided in a varied social events program which includes educational tours, exclusive shopping, and an evening of fantasy and amusement. Kennedy Space Center is the site of an exciting tour of America's space program. If we're especially lucky, a shuttle launch may even be scheduled during the days of the conference. Shopping among quaint boutiques and galleries awaits you on Florida's very own Park Avenue, and in the evening you can be a guest at the Medieval games of 11th century Europe.

Outdoor activities are as popular and plentiful as the Florida sun. Golf, tennis, sailing, and much more are available within and around the hotel and the rest of the WALT DISNEY WORLD Resort. Be a part of the Disney magic at the MAGIC KINGDOM Park, watch movies in the making at the Disney/MGM Studios Theme Park, or take a trip 'round the World at EPCOT Center.

As the multinational market continues to evolve, GLOBECOM '92 provides a forum for discussion of the challenges and opportunities it will bring to our industry. Thus the theme, "Communication for Global Users," which demonstrates our objective: Bringing together industry leaders to assess worldwide communications trends. Please join us in December to further explore the future of telecommunications.

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Ronald J. Kandell General Chairman GLOBECOM'92

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Technical Program Chairman's Message

There is no doubt that the last few decades have brought tremendous developments in telecommunications, however none of us can begin to predict the scope of the advances to be achieved by the turn of the century. There is one certainty: These advances will be driven more by the global business needs of communications users and service providers than they ever have been in the past! Thus, the Technical Program Committee has used the GLOBECOM '92 theme, "Communication for Global Users" to spotlight the impact of global user needs on advancing technologies.

A Monday morning session combining the Keynote Address and the Opening Plenary launches the technical program. Keynote speaker Gerd Tenzer of the Deutsche Bundespost will discuss the challenges of modernizing the (formerly) East German telecommunications network. The Opening Plenary which follows highlights residential and small business market needs from the perspective of telecommunications and cable TV companies, and an outlook on consumer products. In addition the Opening Plenary will feature an international panel of speakers presenting their views on technologies and architectures needed for customer markets in the years 1996 and beyond.

"Communication for Global Users" is evident throughout the entire three days of the technical program of GLOBECOM '92. Approximately 50% of the technical papers have been contributed from the international community. The number of sessions on subjects such as Personal Communications Services demonstrates interest in services and user needs. A special, and I believe spirited panel session will be held on Monday afternoon, with panelists representing the financial community, a cable company, a satellite vendor and a local exchange carrier, discussing the topic of "Competition in the Local Loop."

In addition to the technical sessions, two lunch time panels are included in the program. On Tuesday, a panel will discuss the hot topic of "Personal Communications Network-TDMA or CDMA." On Wednesday, a panel of international speakers will present the latest in the Europe '92 initiative and how the evolution of the Common Market is unfolding. Sunday afternoon through Thursday, five tutorials and five workshops will be offered on a wide variety of topics.

Additionally, a Mini-Conference, sponsored by the Communications Theory Committee, will be held in parallel with the main conference and will offer four sessions beginning on Monday afternoon and ending on Wednesday morning.

This exciting technical program results from the dedication and hard work of many individuals. I want to thank all of the members of the GLOBECOM '92 Technical Program Committee, the technical program session organizers and chairs, the Regional Representatives, the hundreds of international reviewers and of course, the authors. All have teamed to create and shape this excellent technical program.

On behalf of the Technical Program Committee, I invite you to GLOBECOM '92.

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David P. Worrall Technical Program Committee Chairman





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