

*Toward  
Closer  
Neighborhood  
by  
Satellite  
Communication*

# **APSCC '94**

## **Workshop**

— *Preliminary Program* —

October 26-28, 1994  
Hyatt Hotel, Seoul, Korea

- Supported by  
Office for Outer Space Affairs of U.N.  
Korea Telecom, DACOM, Satel Conseil  
KMT, MPR Teltech
- Organized by  
Korea Society of Space Technology
- Patron  
Ministry of Communications, Korea

**Sponsored by**  
**Asia-Pacific Satellite Communication Council**

## ■ ■ **Greetings from Chairman**

**T**hanks to the economic and social progress, the telecommunication service demand in Asia-Pacific region is growing at faster rate than any other region in the globe. Due to it's geographical terrain, the satellite seems very attractive choice for international voice trunk among the Pacific rim countries and direct broadcasting service for cultural exchange in the region.

On November 27-29, 1992, a regional satellite communication workshop called " '92 WORKSHOP ON SATELLITE COMMUNICATION FOR DEVELOPMENT IN ASIA-PACIFIC" was held in Seoul Korea under the sponsorship of the Ministry of Communications, Korea and the Office for Outer Space Affairs, United Nations.

The '92 Workshop was attended by more than 200 satellite communication experts, business managers and government officials in and outside of the region. The highlight of the workshop was the unanimous agreement in the attendee's plenary meeting on a recommendation to United Nations, ITU and respective governments of the nations in the region for creation of an organization for regional cooperation in satellite communication, named ASIA-PACIFIC SATELLITE COMMUNICATION COUNCIL(APSCC) and hold the workshop biennially. The temporary secretariat was installed in the Korea Society of Space Technology and Ad Hoc committee for APSCC establishment was set up by the plenary meeting. As the second biennial meeting, APSCC '94 workshop is being organized to be held during October 26-28, 1994 in Seoul.

APSCC '94 workshop will be an excellent opportunity for all of you experts in satellite communication and you are cordially invited to participate in the workshop and exchange views and ideas.

Dr. Seon J. Chung  
Chairman  
Organization Committee  
APSCC '94 Workshop

## ■ ■ **Workshop Theme**

**“Toward closer Neighborhood by Satellite Communication”**

〈Track A〉 **New Concepts, Technologies and Innovations**

〈Track B〉 **Service Plans and System Technology**

## ■ ■ **Schedule**

**October 25, Tuesday**

**Welcome Cocktail (18:30~20:30)**

**October 26, Wednesday**

〈 *Morning* 〉

**Registration (08:00~08:30)**

**Opening Ceremony (08:30~09:50)**

- Opening Address : Dr. Adigun Ade Abiodun/Office for Outer Space Affairs,  
United Nations.
- Welcoming Address: Mr. Dong Y. Yoon/Minister of Communications, Korea

**General Session (10:10~12:15)**

- Technology Innovations in Satellite Communications  
Dr. Alan Winter/President, MPR Teltech, Canada
- Satellite Communication Industry and Service Market: World & Asia-Pacific  
Mr. Savely Schirman/Satel Conseil, France
- Multichannel Digital DBS and Roles of Satellites in National Information  
Infrastructure  
Mr. Stanley Hubbard, Sr./President, USSB, USA (Live Video Conference Via  
Satellite Link)

**Luncheon Speech**

- Telecommunication by Satellite: Past, Present, Future/TBD

## October 26, Wednesday

〈*Afternoon*〉 14:00~17:20

### **Session A1** Spectrum Utilization and Technology Development

- The ITU Regulatory Procedures of Frequency/Orbit Registration for GEO/Non-GEO Satellite Systems  
Mr. P. Korbenkov/RRB, ITU
- Spectrum Resource Available for Future Satellite Communication  
Dr. F. Rancey/PAB/RGF Cnet, France
- Mobile Service by Optus GEO Satellite  
Marshall Neel/Director, Mobile Service Optus Communications, Australia
- CDMA Technology Applied for Satellite Transmission  
Mr. Anthony Navarra/Executive Vice President, Loral Qualcomm Satellite, USA
- Market Trends and International Cooperation in Satellite Communications  
Mr. E. Langeluddeke/Head of Strategic Planning Dornier GmbH, Deutsche Aerospace AG., Germany

### **Session B1** Regional Service and Network Plans for Asia-Pacific

- PanAmSat Service Plan for Asia-Pacific  
Mr. Gregg Daffner/Vice President, PanAmSat, USA
- Intelsat Strategy for service in Asia-Pacific  
Dr. Eu. K. Koh/Director, Asia-Pacific Region, Intelsat, USA
- Intersputnik Satellites for Asia-Pacific Telecommunication Service  
Mr. G. Kudryatsev/Director General, Intersputnik, Russia
- Rimsat and Asia-Pacific Service Plan  
Mr. Michael Sternberg/Chief Operating Officer, Rimsat, USA
- AsiaSat Video Service Plan for Asia-Pacific  
Mrs. Sabrina Cubbon/Marketing Director, AsiaSat, Hong Kong
- PSN Telecommunication Service for Asia-Pacific  
Mr. Louk Jurgens/Director, PT Pasifik Satelit Nusantara, Indonesia
- Orion Project and Asia-Pacific Service Plan  
Mr. Elliott Bardsley/Vice President, Orion Network Systems, USA

• **APSCC Plenary Meeting (17:20~18:30)**

**Dinner Reception (18:30~20:30) Hosted by Minister of Communications,  
the Republic of Korea**

**October 27, Thursday**

**〈Morning〉 09:00~12:20**

**Session A2 New Technology for Transponders and Ground Systems**

- Digital Beam Forming (DBF) Antenna System for Mobile Satellite Communications  
Dr. Hideyuki Inomata/President, ATR Optical and Radio Communication Research Lab., Japan
- Steerable Multibeam on Board Antenna System  
Dr. Se Hyun Cho/Senior Staff Engineer, Martin Marietta Astro Space, USA
- High Efficiency Transponder Technology  
Mr. John Stuart/Vice President, Business Development, Spar Aerospace, Canada
- Antenna Technology for Digital Mobile Satellite Communication  
Dr. Shishlov/Chief of Department Radiophysika, Russia
- Advance Ground Terminal System for Satellite Communication Service  
Mr. Mike Cross/Manager, Business Development, Marta Marconi, U.K.

**Luncheon Speech**

- Prospect of Global Personal Communication by LEO Mobile Satellite  
Mr. Francis Choi/Regional Director for East Asia, Inmarsat, U.K.

**〈Afternoon〉 14:00~18:10**

**Session B2 Applications of Satellite Communication Services in Asia-Pacific**

- Telecommunication Service by VSAT in Asia-Pacific Rim Countries  
Dr. James Beitchman/Vice President, Hughes Asia-Pacific
- Applications of Satellite Communication Services for Business and Industrial Development in China  
Mr. Zhang Ming De/President, Chinasat, China
- Satellite Telecommunication Service Providers in Indonesia by Palapa Systems and Satelindo Service Plan  
Mr. Sahala Silalahi/Director, P.T. Satelit Palapa Indonesia, Indonesia
- Telecommunication and Broadcasting Service by Thaisat  
Dr. Avudh Ploysongsang/Senior Manager, Shinawatra, Thailand
- Koreasat Project and Satellite Telecommunication Service Plan in Korea  
Dr. Han HwangBo/Vice President, Satellite Business, Korea Telecom, Korea
- Philcomsat Project Plan and Satellite Service Demand in Philippines  
Mr. Gary Makasiar/Vice President, Philcomsat, Philippines

## October 27, Thursday

〈*Afternoon*〉 14:00~18:10

### **Session A3** Big and Little LEO System Concepts and Service Plans

- Economics of LEO Systems and Services  
Mr. Timothy Louge/Space & Telecommunications Analyst, Reid & Priest Associates, USA
- Cost Improvement of LEO Spacecraft and Launcher  
Mr. Allan J. MacLaren/Business Development Manager, Lockheed Launch Vehicles & Services, USA
- Iridium PCN Service for Asia-Pacific  
Mr. Bob Kinzie/Chairman & CEO, Iridium Inc., USA
- Globalstar PCN Service and Business Prospect  
Mr. Anthony Navarra/Executive Vice President, Loral Qualcomm Satellite Services Inc., USA
- Project 21 Service with ICO  
Mr. Jai Singh/General Manager, Inmarsat, U.K.
- Odyssey Personal Communications Satellite System  
Mr. Len J. Speltz/Program Development Manager, TRW Space Group, USA

**Dinner Reception (18:30~20:30)**

## October 28, Friday

〈*Morning*〉 09:00~12:20

### **Session A4** Information Superskyway and Service Interface with Terrestrial Networks

- Roles of Communication Satellite in Information Superhighway Systems  
Dr. Seon J. Chung/Vice President, Satellites Communications, ETRI, Korea
- Wideband Telecommunication Service Experiments by Italsat  
Mr. Raffaele Caracciolo/Manager, Ground System Division, Alenia Spazio, Italy
- Information Superskyway by Advanced Wideband Communication Satellite  
Dr. Sundra Murthy/Associate Director, R&D Center, VISTAR Telecom, Canada
- Spaceway:Ka-Band Application for Satellite Telecommunication  
Dr. Paul Davis/Vice President, Hughes Communications International, Inc., USA
- Advanced Telecommunication Service Features of N-star  
Dr. Shuichi Samejima/Executive Manager, Satcom Systems Lab., NTT, Japan

#### **Luncheon Speech**

- Satellite Communication in Asia-Pacific-View from Outside  
Mr. Scott Chase/Publisher, Via Satellite

## October 28, Friday

〈Afternoon〉 14:00~17:20

### **Session B3** Technology and Systems for Digital DBS

- MPEG-II Based Digital DBS System Development  
Dr. Mike Windram/Director, Advance Product Division NTL, U.K.
- Conditional Access and Subscriber Management System for Multichannel Digital DBS Service  
Dr. Wim Mooy/Technical Director, Irdeto, Netherland
- High Quality Digital Audio Broadcasting by Worldspace Network  
Ms. Martine Aliana Rothblatt/Vice President, Worldspace Corp., USA
- Digital DBS System for Multichannel Service  
Mr. Stephan Morall/Vice President, TV Business Planning, Thomson Consumer Electronics, USA
- Digital DBS TV Programming and Subscriber Management for Direc TV  
Mr. Ray Conover/Vice President, USSB, USA

**Farewell Cocktail (17:30~19:00)**

## October 29, Saturday

**Industry Tour (09:00~13:00)**



## **General Information**

### • **Advisory Committee**

Mr. Louk Jurgens, Director, PSN, Indonesia  
 Dr. Choong Woong Lee, President, KOSST, Korea  
 Mr. Sahala Silalahi, Director, P.T.Satellite Palapa Indonesia, Indonesia  
 Dr. Avudh Ploysongsang, Senior Manager, Shinawatra, Thailand  
 Mr. Padamsiri Alwis, Deputy Director, Arthur C. Clark Center, Sri Lanka  
 Dr. Shuichi Samejima, Executive Manager, NTT, Japan  
 Dr. Han HwangBo, Executive Vice President, Satellite Business, Korea Telecom, Korea  
 Mr. Andrew Jordan, Vice President, PANAMSAT, Australia

### • **Organization Committee**

**Rm 501 Namil Bldg., 798-11, Yeoksam-dong, Kangnam-ku, Seoul, Korea**

**Tel: +82-2-568-8592**

**Fax: +82-2-568-8593**

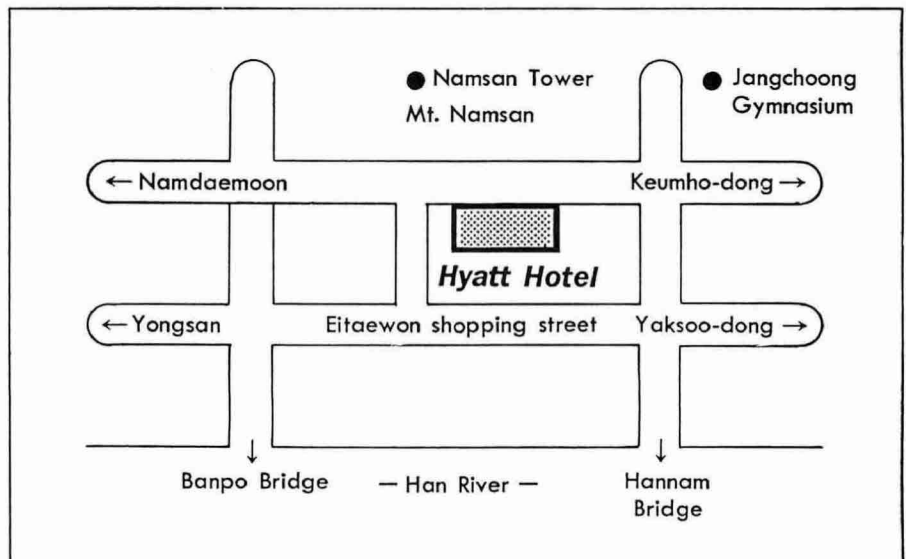
Chairman	Dr. Seon J. Chung Vice President, ETRI, Korea
Vice Chairman	Dr. Jung K. Kim Professor, Chungang University Dr. Yeong D. Song Vice President, Satellite Business, Korea Telecom
Coordination	Mr. Chang P. Cheon Director, Communications Satellite Division Ministry of Communications, Korea
Program	Dr. Oh S. Kwon General Director, LMSC-Korea Dr. Kyu S. Chung Managing Director, Korea Mobile Telecom
Secretary	Dr. Chang Y. Yoon General Director, KTI
Public Relations	Dr. Jung H. Lee Managing Director, DACOM
Publication	Dr. Jae H. Lee Professor, Seoul National University
Site & Facility Arrangement	Mr. Si chul Park Secretary General, KOSST



## Registration

- **Workshop Registration Fee :** U\$ 450  
— Includes all Sessions, Luncheon, Reception
- \* **Preregistration Discount by August 30, 1994 :** U\$ 400
  
- **How to Pay the Registration Fee :**  
— Cashier check or deposit to account No. 211-22-01256-2, Korea Exchange Bank payable to the Korea Society of Space Technology
  
- **Rooms for Participants and Speakers can be reserved in the Hyatt Hotel on request.**
  
- **Location** : Hyatt Hotel, Seoul, Korea  
Tel: + 82-2-797-1234  
Fax: + 82-2-798-1605
  
- **Official Language** : English

### \* Site Map \*



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# APSCC '94 Workshop

October 26-28, 1994  
Hyatt Hotel, Seoul, Korea

Yes! I want to attend this APSCC '94 Workshop

Name : \_\_\_\_\_

Company : \_\_\_\_\_

Address : \_\_\_\_\_

Phone : \_\_\_\_\_ Fax : \_\_\_\_\_

Hotel Reservation?  Yes  No

Total Amount : US(\$) \_\_\_\_\_

Payment Enclosed

VISA

Mastercard

Card No. \_\_\_\_\_

Expiry Date \_\_\_\_\_

Signature : \_\_\_\_\_

Please complete and return this form not later than September 30, 1994 to the Organization Committee; Room 501 Namil Bldg., 798-11, Yeoksam-dong, Kangnam-ku, Seoul, Korea, 135-080  
by Mail or by Fax : + 82-2-568-8593