Activities of IEEE COMSOC Taipei Chapter

Mao-Chao Lin

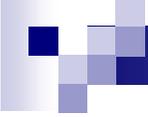Chair

COMSOC Taipei Chapter

Aug. 28, 2004

Set up the web site of COMSOC Taipei chapter

- http://home.ee.ntu.edu.tw/~lab554/chapter/workshops.asp

- Including the past and upcoming activities of COMSOC Taipei chapter

2004 Spring Workshop on Information Theory and Communications

- Dates : Feb 12-13, 2004

- Location : YOHO SPA & Resort, Ping-Tung

- 8 talks and 8 speakers

- 300 ~400 participants

- Sponsored by National SunYat Shen University, COMSOC Taipei chapter, Tainan chapter, Information Theory society Taipei chapter

Titles of Talks

- Some PAPR Reduction Methods for OFDM Systems

- Differentially Encoded QAM Technique for DC Offset Elimination

- Digital Front-end Signal Processing for Software Defined Radio

- Design and Implementation of a WCDMA Uplink Baseband receiver IC

- Turbo Source Separation Algorithm Using HOS Based Inverse Filter Criteria

- A Unified Approach to Space-Time Decoding

- Frequency-Diversity Coding for Ultra-Wideband Systems

- Filterbank OFDM

2004 Summer School for Communication Theory and Technologies

- Dates : Aug. 2-6, 2004

- Location : National Tsing-Hua University

- 210 participants

- 10 talks and 7 lecturers

- Sponsored by COMSOC, Taipei chapter, Tainan chapter, National Tsing-Hua University, Chiao-Tung University

Titles of Talks

- Introduction

- Wireless Channel Modeling and Its Impact on Radio System Design

- Detection Theory

- Synchronization Theory

- Transmission Technologies

- Receiver Technologies

- Channel Coding Ⅰ

- Channel Coding Ⅱ

- Multi-antenna Technologies

- Iterative Signal Processing

2004 Fall Workshop on Information Theory and Communications

- Dates : Aug. 23-24, 2004

- Location : Aspire Park

- 250 participants

- Sponsored by National Central University, COMSOC Taipei chapter, Tainan chapter, Information Theory society Taipei chapter

Titles of Talks

- Blind Equalization and System Identification: Batch Processing Algorithms, Performance and Applications

- Linearly Precoded OFDM Systems

- Microwave Phased Antenna Array Technologies and Related Applications

- Fault-Tolerant Classification in Wireless Sensor Networks

- Some Aspects of Huffman Codes

- Rate-Diversity Tradeoff of Space-Time Codes and Optimal Constructions

- A Fast joint Subcarrier, Bit, and Power Allocation Scheme for OFDM-based Multiuser Communication