

IMS Public Lecture



Trends in Wireless Communications

Speaker: Professor Sergio Verdú,
Princeton University
Date: Tuesday, 28 Feb 2006
Time: 6:30 p.m. – 7:30 p.m.
Venue: Auditorium
Institute for Infocomm Research
21 Heng Mui Keng Terrace
Singapore 119613

FREE
ADMISSION

Abstract

This talk gives an overview of recent advances and current trends in wireless communications technologies. Our emphasis is on physical-layer techniques used to improve spectral efficiency for multiuser channels subject to fading.

About the Speaker

Professor Sergio Verdú is Professor of Electrical Engineering at Princeton University where he teaches and conducts research on information theory. He is also affiliated with the Program in Applied and Computational Mathematics.

Professor Verdú was born in Barcelona, Catalonia, Spain. He received the Telecommunications Engineering degree from the Polytechnic University of Catalonia, Barcelona, Spain, in 1980 and the Ph.D. degree in Electrical Engineering from the University of Illinois at Urbana-Champaign in 1984. He was awarded a Presidential Young Investigator Award from the National Science Foundation, the 2000 Frederick E. Terman Award from the American Society for Engineering Education, and the IEEE Third Millennium Medal in 2000.

In 2005, he received a Doctorate Honoris Causa from the Polytechnic University of Catalonia. His papers have received several awards: the D. Fink Paper Award from the IEEE, the 1998 Information Theory Outstanding Paper Award, a Golden Jubilee Paper Award from the IEEE Information Theory Society, the 2000 Paper Award from the Japan Telecommunications Advancement Foundation, and the 2002 Leonard G. Abraham Prize Award from the IEEE Communications Society.

Professor Verdú was elected Fellow of the IEEE in 1993 and was President of the IEEE Information Theory Society in 1997. He is currently Editor-in-Chief of Foundations and Trends in Communications and Information Theory.

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