学 术 报 告

ACADEMIC LECTURE

报告1: Clutter reduction using Doppler sonar in a harbor environment for intruder defense

时间: 2012年12月10日下午4: 15

报告2: Acoustic mapping of ocean currents using distributed netted underwater sensors

时间: 2012年12月11日下午2: 30

地点: 信电楼215会议室

报告人: Dr. T. C. Yang

Professor，Nat. Sun Yat-Sen Univ.

Dr. Yang is currently a National Science Counsel Chair Professor at the Inst. of Applied Marine Physics and Undersea Technology, College of Marine Science, Nat. Sun Yat-Sen Univ. Kaohsiung, Taiwan. Previous to this job, he spent 32 years working at the Naval Research Laboratory, Washington, DC, serving as Head of the Arctic Section, Dispersive Wave Guide Effects Group, and acting Head of the Acoustic Signal Processing Branch. His current research focuses on: (1) environmental impacts on underwater acoustic communications and networking, exploiting the channel physics to characterize and improve performance, and (2) environmental acoustic sensing and signal processing issues aimed at improving the effectiveness of distributed networked sensing. In earlier years, he pioneered matched mode processing for a vertical line array, and matched-beam processing for a horizontal line array. Other areas of research included geoacoustic inversions, waveguide invariants, effects of internal waves on sound propagation in shallow water, and Arctic acoustics. He is a fellow of the Acoustical Society of America.