

学术报告会

应一室李昕欣研究员邀请，美国奥本大学材料工程系主任 Prof. Bryan A. Chin 特来所访问，并作学术报告，欢迎参加！



题 目 **Research at the Auburn University
Detection and Food Safety Center**

报告人 **Prof. Bryan A. Chin**
*Chair, Department of Materials Engineering,
Auburn University (奥本大学), USA*

时 间 **1月28日(星期一) 下午2:00**

地 点 **五号楼14楼会议室**

内容摘要

- ***Every year over 76 million Americans become ill due to eating bacteria contaminated foods. This presentation describes the accomplishments of the Auburn University Detection and Food Safety Center. The talk focuses on the development of the wireless Magnetoelastic Biosensor for the detection of pathogenic bacteria on food. Development and micro fabrication of the dust size magnetoelastic sensors are described along with the genetic engineering of the bio molecular recognition elements that make the sensors specific to a target bacteria. Examples of the detection of pathogenic bacteria such as Salmonella using the Magnetoelastic Biosensors are given.***

报告人简介

- *Ph.D., Stanford University with distinction, Materials Science and Engineering, 1976*
- *Director, Auburn University Detection and Food Safety Center, Auburn University*
- *McWane Professor, Director, Materials Research and Education Center, Auburn University*
- *Officer, American Nuclear Society Materials Science and Technology Division*
- *Officer, Electrochemical Society Sensors Division*
- *Chairman, US Fusion Reactor Alloy Development for Near Term Applications Task Group*
- *Chairman, US In-Reactoer Deformation Task Group, U. S. Department of Energy*
- **研究兴趣:** *Sensor development for biological detection; Radio frequency identification health monitoring tags; Adaptive materials; Sol gel deposition of piezoelectric materials; Process control sensors and control methodology; Nuclear irradiation for food preservation; Nuclear materials.*

传感技术联合国家重点实验室