



中心系列讲座 ICQM Weekly Seminar Series Nanoscale Thermal Transport

Gerald Dennis Mahan
Pennsylvania State University

Time: 4:00am, Nov. 3, 2011 (Thursday)

时间: 2011年11月3日 (周四) 下午4:00

Venue: Room 607, Conference Room A, Science Building 5

地点: 理科五号楼607会议室

Abstract

I start by reviewing some recent experimental results in this field. The second part of my talk discuss my recent calculations on thermal boundary (Kapitza) resistance, which I argue is the primary thermal resistance in nanoscale devices.

About the speaker

Professor Gerald Dennis Mahan received his B.S. degree from Harvard College in 1959, and Ph.D. degree from University of California, Berkeley in 1964. He had been staff in General Electric Research Laboratory, University of Oregon, Indiana University and University of Tennessee. Currently, he works as Distinguished Professor of Physics in Pennsylvania State University. He is also a fellow of American Physical Society, and a member of US National Academy of Science; American Academy of Arts and Science; Royal Academy of Arts and Sciences in Gothenberg, Sweden. He has published 265 research articles with h-index of 56.