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**Communications**  
**Computer Societies**  
**Joint Chapter**

## **Standards for wireless communication: IEEE 802.11, 802.15, and 802.16**

**Date:** Oct 17, 2006, Time: 1:00pm

**Place:** Hill Auditorium, ECE Dept, UMaine, Orono

### **Abstract**

In this seminar the wireless communication standards developed by the IEEE 802 committee will be discussed – the 802.11 standard for wireless local area networks, the 802.15 family of standards for wireless personal area networks, and the 802.16 family of standards for broadband wireless access systems. The seminar will present an overview of the medium-access control and the physical layers of these standards. It will attempt to answer the question how do these technologies work, why do they work the way they do, and how were they developed.

### **Short Bio**

T. Cooklev is on the faculty at San Francisco State University. He is also a voting member of IEEE 802.11, the IEEE Standards Association, and the IEEE Standards in Education committee. Prior to joining San Francisco State he spent several years working in industry. He has made contributions to 802.11 and the 802.15 family of standards. As a faculty member his research has been sponsored by leading companies and government organizations. T. Cooklev has given seminars, short courses, and invited talks to various audiences around the world. He has contributed to a number of publications and is author of the book *Wireless Communication Standards: A Study of IEEE 802.11, 802.15, and 802.16*, published by IEEE Press in 2004. He received the 2006 Wireless Educator of the Year Award.

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