



UTA/UTSW Bioengineering Videoconference Seminar

When: Friday, August 28, 2009 11:00 – 11:50 AM
Where: Preston Hall 307 (UTA); NE Building, Floor 2.5
Room NE2M.116, North Campus (UTSW)

Implantable Wireless Medical Devices and Systems



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In this talk, two implantable wireless diagnosis and therapeutic treatment systems will be discussed. An integrated pain management system has been demonstrated for chronic pain inhibition with a wireless closed-loop integration of a neurorecorder to recognize pain signals and a neurostimulator to inhibit pain. A batteryless endoluminal sensing telemeter has been demonstrated for the diagnosis of gastroesophageal reflux disease (GERD) detecting acid and nonacid reflux episodes.

J.C. Chiao received his Ph.D. degree at California Institute of Technology. He is a Professor of Electrical Engineering at University of Texas – Arlington, a graduate faculty in the Biomedical Engineering Program, and an Adjunct Associate Professor in the Internal Medicine Department at UT-Southwestern Medical Center.

Seminar organizer: Jian Yang, jianyang@uta.edu