

## Are you ready for a career boost after the spring break?

The Chinese Institute of Engineers (CIE-USA) DFW Chapter and Texas Instruments Chinese Initiative (TI CI) are co-hosting dual technical seminars from Microelectronics and Telecommunications sectors; both open to the general public.



### *Seminars for Microelectronics and Telecommunications*

Time: **2:00 PM (Microelectronics)** and **3:00 PM (Telecom.)**

Date: **Saturday, April 4, 2009**

Place: **Plano Schimelpfenig Library, Program Room**

Address: 5024 Custer Rd, Plano, TX 75023

Cost: **No charge**

#### **Seminar One: Microelectronics Sector**

Topic: *Trends in Analog and Embedded Semiconductors*

Speaker: **Dr. Venu Menon**

Time: **2:00pm ~ 2:50pm**

Contact: **Bill Wu** ([bxwu2001@tx.rr.com](mailto:bxwu2001@tx.rr.com), 214-662-9517)

#### *Trends in Analog and Embedded Semiconductors*

Often, during dinner conversations with non-technical friends, I get asked about my job at TI. I reply that I develop analog semiconductor technologies. Their response is usually “aren’t analog semiconductors extinct?” or “isn’t everything digital now?” I am glad that CIE and TI CI members understand the world of semiconductors and the opportunities for new innovation in digital and analog IC’s. In this talk I will try to shed light on recent trends in electronics and their implications to analog and embedded semiconductors. Technology trends and the evolving role of semiconductor engineers will also be discussed.



**Dr. Venu Menon** is Vice President for Analog Technology Development, Texas Instruments Inc. He is responsible for developing manufacturing technologies for TI’s power management, high performance and high volume analog semiconductor chips. Prior to this role he was Vice President for advanced logic process technologies used for manufacturing digital signal processors, microprocessors and other wireless chips. He has a PhD in Chemical Engineering from Illinois Institute of Technology, Chicago.

Prior to joining TI, he was a Director at SEMATECH in Austin, Texas, overseeing technology development programs. He also managed SEMATECH’s joint program with JESSI (Joint European Semiconductor Silicon Initiative) in Europe.

He serves on the Board of Directors of SEMATECH, Semiconductor Research Corporation and the Texas Instruments Foundation.

He was recognized at the 2008 Asian American Engineer of the Year and 2008 Greater Dallas Asian American Chamber of Commerce as Outstanding Corporate.

#### **Seminar Two: Telecommunications Sector**

Topic: *From Telecom to Biomed – My experience in career transition*

Speaker: **Dr. J-C. Chiao**

Time: **3:00 ~ 3:50pm**

Contact: **Lingjia Liu** ([lingjialiu@gmail.com](mailto:lingjialiu@gmail.com), 972-322-2544)

#### *From Telecom to Biomed – My experience in career transition*

During the crisis of telecom bubble, Dr. Chiao made a decision to switch his career direction to the biomedical applications. The decision was based on the global market and technology needs for the fast-growing aging populations and skyrocketing costs of healthcare. He will talk about his experience and discuss his group’s research activities in medical applications including pain management, implantable reflux sensors and prostate cancer metastasis assays.



**Dr. J-C Chiao** is a Professor of Electrical Engineering, University of Texas at Arlington, and Biomedical Engineering Program, University of Texas Southwestern Medical Center. He received his Ph.D. at Caltech; served as Research Scientist at Bellcore; Assistant Professor at University of Hawaii; and Product Line Manager at Chorum Technologies. He joined UT-Arlington in 2002.

Dr. Chiao is a co-founder of American Academy of Nanomedicine, chair for five periodic international conferences, Associate Editor for ASME Journal of Nanomedical Science and Engineering, and with the editorial board of the Elsevier Journal Nanomedicine: Nanotechnology, Biology and Medicine. He has published 3 book chapters, 137 peer-reviewed conference and journal papers, edited 2 books and 13 proceedings, as well as received 4 awarded and 6 pending patents.