

Distinguished lecturer and e-mail	Term	Title of lecture(s)
Andreas G. Andreou andreou@jhu.edu	2007-2008	Lecture #1: Microsystems engineering from nano to micro and macro Lecture #2: Life sciences imaging microsystems: New directions, opportunities and challenges
Bert Shi eebert@ee.ust.hk	2007-2008	Lecture #1: Bioinspired CNN visual systems
Christian Schlegel schlegel@ece.ualberta.ca	2007-2008	Lecture #1: Iterative demodulation and decoding: A new communications paradigm Lecture #2: Design of ultra low power error control decoders: Mathematics meets physics
Corey Chang coreyc@miami.edu	2008-2009	Lecture #1: Perceptual audio coding: An introduction and some current topics
David Pan dpan@ece.utexas.edu	2008-2009	Lecture #1: Synergistic Modeling and Optimization for Nanometer IC Design/Manufacturing Integration
Dinesh K. Bhatia dinesh@utdallas.edu	2007-2008	Lecture #1: System level design of low power wireless sensor networks for biomedical applications Lecture #2: No batteries required - Energy harvesting, storage, and management schemes for powering wireless transceivers Lecture #3: Architecture and CAD for ultra low power mobile FPGAs (mobiFPGA)
Gerald E. Sobelman sobelman@umn.edu	2008-2009	Lecture #1: Flexible VLSI Architectures for UWB, MIMO and Cognitive Radio
Georges G. E. Gielen Georges.Gielen@esat.kuleuven.be	2008-2009	Lecture #1: Design of high-resolution CMOS digital-to-analog converters Lecture #2: Systematic design of high-performance Delta-Sigma converters Lecture #3: Hardware implementation of ultra-low-power sensor networks
Hubert Harrer hharrer@de.ibm.com	2007-2008	Lecture #1: Multichip module packaging and its impact on architectures
Huifang Sun hsun@merl.com	2008-2009	Lecture #1: Concept, Standards and New research topics of Digital Video Technology Lecture #2: MPEG Standards and its DTV Applications Lecture #3: Multiview video coding
John Harris harris@cnel.ufl.edu	2008-2009	Lecture #1: Biologically Inspired Signal Processing Lecture #2: Automatic Speech Processing Techniques for Enhancing Cell Phone Speech Lecture #3: Biologically Inspired Sensing and Coding of Signals
Kai-Kuang Ma ekkma@ntu.edu.sg	2008-2009	Lecture #1: Super-Resolution Imaging Lecture #2: Image and Video Compression: Algorithms, Optimization, and Trend
Nam Ling nling@scu.edu	2007-2008	Lecture #1: Simplified fast motion estimation: Simplified and unified multi-hexagon search (SUMH) with context adaptive Lagrange multiplier (CALM)
Naveen K. Yanduru n-yanduru1@ti.com	2007-2008	Lecture #1: WCDMA receiver design: System budgeting, circuit architecture and circuit design Lecture #2: Highly re-configurable RF receivers in deep sub-micron CMOS and challenges towards a true SDR receiver

Continued

Distinguished lecturer and e-mail	Term	Title of lecture(s)
Sudhanshu Shekhar Jamuar ssjamuar@eng.upm.edu.my	2008-2009	Lecture #1: Current Trends of Low Voltage Analog Design for Wireless Application Lecture #2: Design Techniques and CMOS Implementation of Low Noise Amplifier (LNA)
Tobi Delbruck tobi@ini.phys.ethz.ch	2007-2008	Lecture #1: Building a high performance silicon retina for machine vision
Wallace Tang kstang@ee.cityu.edu.hk	2007-2008	Lecture #1: Identification and monitoring of complex networks based on synchronization
Zhiping Lin ezplin@ntu.edu.sg	2007-2008	Lecture #1: State space realization of a 3D image set with application to noise reduction of fluorescent images
Zixiang Xiong zx@ece.tamu.edu	2007-2008	Lecture #1: Optimized error protection of scalable image bit streams Lecture #2: Distributed video coding Lecture #3: Wyner-Ziv and dirty-paper coding: Duality, limit-approaching code designs and applications