The purpose of the DAC/ISSCC Student Design Contest is to promote excellence in the design of electronic systems by providing competition between graduate and undergraduate students at universities and colleges. The Student Design Contest is jointly sponsored by DAC and its sponsors, ISSCC, and the corporate sponsors named below.

For more information on becoming an Award Contributor of the Student Design Contest please email Byunghoo Jung

2008 DAC/ISSCC Student Design Contest Winners

A 242mW, 10mm² 1080p H.264/AVC High Profile Encoder Chip
Yu-Kun Lin, De-Wei Li, Chia-Chun Lin, Tzu-Yun Kuo,
Sian-Jin Wu, Wei-Cheng Tai, Wei-Cheng Chang, Tian-
Sheuan Chang - National Chiao-Tung Univ., Hsinchu,
Taiwan

A Low Power Carbon Nanotube Chemical Sensor System
iVisual: An Intelligent Visual Sensor SoC with 2790fps CMOS Image Sensor and 205GOPS/W Vision Processor
Chih-Chi Cheng, Chia-Hua Lin, Chung-Te Li, Lian-Gee Chen - National Taiwan Univ., Taipei, Taiwan
Samuel C. Chang - Massachusetts Institute of Tech., Cambridge, MA

XCXO: An Ultra-low Cost Ultra-high Accuracy Clock System for Wireless Sensor Networks in Harsh Remote Outdoor Environments
Thomas Schmid, Jonathan Friedman, Zainul Charbiwala, Young H. Cho, Mani B. Srivastava - Univ. of California, Los Angeles, CA

Vision Platform for Mobile Intelligent Robot Based on 81.6 GOPS Object Recognition Processor
Donghyun Kim, Kwanho Kim, Joo-Young Kim, Seungjin Lee, Hoi-Jun Yoo - KAIST, Daejon, Republic of Korea

A MIPS R2000 Implementation
Nathaniel Pinckney, Thomas Barr, Michael Dayringer, Matthew McKnett, Nan Jiang, Carl Nygaard, David Money Harris, - Harvey Mudd College
Joel Stanley, Braden Phillips - The Univ. of Adelaide, Adelaide, Australia

PicoCube: A 1cm³ Sensor Node Powered by Harvested Energy
Yuen-Hui Chee, Mike Koplow, Michael Mark, Nathan Pletcher, Mike Seeman, Fred Burghardt, Dan Steingart, Jan Rabaey, Paul Wright, Seth Sanders - Univ. of California at Berkeley, CA

A 3Gbps/30K-Rule Virus-Detection Processor Embedded with Adaptively Divisible Dual-Port BiTCAM for Mobile Devices
Chieh-Jen Cheng, Chao-Ching Wang, Kuan-Ching Chuang, Tai-An Chen, Tien-Fu Chen, Jinn-Shyan Wang - National Chung-Cheng Univ, Chia-Yi, Taiwan

Tae-Hyoung Kim, Randy Persaud, Chris H. Kim - Univ. of Minnesota, Minneapolis, MN
44th Student Design Contest Winners
43rd Student Design Contest Winners
42nd Student Design Contest Winners
41st Student Design Contest Winners
40th Student Design Contest Winners
39th Student Design Contest Winners