

Educating Next Generation Engineers



American Society of Engineering Education-Pacific Southwest (ASEE/PSW) 2009 Conference at National University in San Diego, California March 19-20, 2009

The former MIT President, Dr. Charles Vest in his lecture “*Educating Engineers for 2020 and Beyond*” said that the frontiers of engineering students would be the intersection of physical, life and information sciences ... so-called bio, nano, info... In order to meet these conditions, 21st century engineers must have the capacity to:

- design to meet safety, reliability, environmental, cost, operational, and maintenance objectives.
- realize products
- create, operate, and sustain complex systems
- understand the physical constructs and the economic, industrial, social, political, and international context in which engineering is practiced
- understand and participate in the process of research
- gain the intellectual skills needed for lifelong learning

Please join your colleagues in beautiful San Diego, California for a 1-1/2 day conference to share ideas about advances in Educating Next Generation Engineers. Areas of teaching covered in this conference include: all engineering fields, nano-technology, biotechnology, nano-biotechnology, etc. Session topics will include but not limited to: *technologies in teaching and learning, laboratory innovations, issues in design education, agile teaching, problem driven teaching, game based learning, community-based learning, work-based learning, inquiry-based learning, project based learning, team-based learning, internet-based learning, etc.*




Panel Discussions: [To be announced soon](#)

Student Sessions: [Special sessions to be arranged for both undergraduate and graduate students](#)

Important Dates:

Abstract or Full Paper Submissions	Acceptance Notification for Abstract	Final Submission for Full Paper	Acceptance Notification for Final Paper	Registration
Dec 19, 2008	Jan 05, 2009	Feb 19, 2009	Mar 02, 2009	Feb 19, 2009

Keynote Speakers:

 <p>Marvin White Ph.D.</p>	<p>Professor of Electrical and Computer Engineering Director of Sherman Fairchild Solid State Studies Center, Lehigh University</p> <p>Former Director of NSF and nationwide known scholar for his strong leadership and outstanding research: solid-state devices, sensors and imaging; custom integrated circuits; VLSI and microelectronics.</p> <p>http://www.ece.lehigh.edu/index.php?page=marvin-white</p>
 <p>Shu Chien MD, Ph.D.</p>	<p>University Professor of Bioengineering and Medicine Director of Institute of Engineering in Medicine, UC San Diego</p> <p>Worldwide known Professor for his significant contributions in Bioengineering. Watch this video: http://www.youtube.com/watch?v=oTnD0rF456U Bio: http://www.jacobsschool.ucsd.edu/faculty/faculty_bios/findprofile.pl?fmp_recid=11</p> <p>IEEE History Center: Shu Chien Abstract http://www.ieee.org/web/aboutus/history_center/oral_history/abstracts/chienab.html</p>
 <p>Melissa Micou Ph.D.</p>	<p>Lecturer of Bioengineering, UC San Diego</p> <p>Teaching courses in engineering design, bioengineering, tissue engineering, and the establishment of a NSF-supported project based learning center, all with an emphasis on innovation.</p> <p>http://www-bioeng.ucsd.edu/faculty/alpha/faculty.cfm?psnid=1989</p>

Registration Fees: Faculty \$150 and student: \$25

Paper Submissions: Abstracts and full-papers are accepted now for technical sessions. Please send your submissions as email attachment(s) to: mamin@nu.edu

Conference Co-Chairs:

<p>Dr. Mohammad Amin, Professor School of Engineering and Technology National University (www.nu.edu) 3678 Aero Court San Diego, CA 92123-1788, USA Phone: (858) 309-3422 & Fax: (858) 309-3420 mamin@nu.edu</p>	<p>Dr. R. Lal Tummala, Professor & Chair Department of Electrical and Computer Engineering San Diego State University(www.sdsu.edu) 5500 Campanile Drive, San Diego, CA 92182-1309 Phone: (619) 594-7013 & Fax: (619) 594-2654 tummala@egr.sdsu.edu</p>
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Hotel information: Four Points-Sheraton Hotel, 8110 Aero Drive, San Diego, CA 92123
(858)227-8888 and reservations@sd4poits.com & ask for special rate of ASEE/PSW-2009 Conference