

**2004 TECHNICAL SYMPOSIUM PROGRAM**  
**~ NEW WAVES IN TECHNOLOGY ~**

**Sponsor:** Chinese-American Engineers and Scientists Association of Southern California (CESASC)  
南加州中華科工學會 (Website: <http://www.cesasc.org>)

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Vietnamese Association for Computing, Engineering Technology and Science (VACETS)  
越裔旅美科技協會 (Website: <http://www.vacets.org>)

**Date:** May 22, 2004 (Saturday)

**Venue:** Los Angeles Airport Hilton & Towers  
5711 W. Century Blvd., Los Angeles, CA 90045 (Tel: 310-410-4000)

**Cost:** Admission - Free; Luncheon - \$20 (Regular), \$10 (Students)  
Luncheon & CESASC Convention Banquet: \$60

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**9:00 a.m. – 10:00 a.m.: Opening Ceremony**

Keynote Speaker: Dr. Peter Tsou (鄒哲博士), Principal Scientist, Jet Propulsion Laboratory, Caltech  
"Aerogel for Space Exploration"

**10:15 a.m. – 11:30 a.m.: Panel Discussion Session 1 – Overview of Nano-technology and Its Applications**

Organizer and Moderator: Hongyu Zhang

Panelists:

- (1) Prof. Xiang Zhang, UCLA, [xiang@seas.ucla.edu](mailto:xiang@seas.ucla.edu)
- (2) Dr. Vincent Gau, GeneFluidics, [vgau@genefluidics.com](mailto:vgau@genefluidics.com)
- (3) Prof. Changhui Yang, Caltech, [chyang@caltech.edu](mailto:chyang@caltech.edu)
- (4) Dr. Hongbin Yu, Caltech, [yuhb@its.caltech.edu](mailto:yuhb@its.caltech.edu)

**11:45 p.m. – 1:15 p.m.: Luncheon**

Keynote Speaker: Prof. Shouzhi Wang (王受之教授), Professor, Art Center College of Design  
"Modern Design and Chinese Economic Growth"

**1:30 p.m. – 2:40 p.m.: Concurrent Paper Presentation Sessions 1, 2, and 3**

**Paper Presentation Session 1: Information Technology (Computer, Wireless and Networking)**

Session Chair: Yutao He

Speakers and Topics:

- (1) Prof. Songwu Lu, Computer Science Dept. UCLA  
"Wireless Network"
- (2) Dawei Zheng, Kotura, Inc.  
"Integrated Circuit and Semiconductor"
- (3) Dr. Shu-Yao Chien, NCR  
"Database and Data Mining"
- (4) Dr. Songtao Li, Cogent Systems, Inc.  
"Biometrics and Security"
- (5) Dr. Luc Nguyen, Zvolve Systems, Inc.  
"Congestion Control in IP Networks"

**Paper Presentation Session 2: Bio-technology**

Session Co-Chairs: Xiaoming Zou, Thong Tran

Speakers and Topics:

- (1) Thong Tran, Ph.D., Assistant Professor, Oregon Health and Science University  
"Predicting Paroxysmal Atrial Fibrillation Using Heart Rhythm"
- (2) Dean Ho, Ph.D. Candidate, Dept. of Bioengineering, UCLA  
"Functionalizing Nanoscale Polymeric Biomimetic Membranes with Energy Transduction Proteins"
- (3) Chuanyin Wu, Ph.D., Research Scientist, Ceres Inc.  
"Gene Transfer to Plants"
- (4) Jicheng Wang, Ph.D., Molecular Geneticist, City of Hope/Beckman Research Institute  
"Big Blue/Hepatitis B Virus Double Transgenic Mice, A Useful Model in Liver Cancer Mechanistic and Preventive Study"
- (5) Hai Tran, Ph.D., Director for Computing and Telecommunications, The U.S. General Accounting Office (GAO)  
"Biometrics: Technologies and Applications"

**Paper Presentation Session 3: Environmental Engineering**

Co-organized by Southern California Chinese-American Environmental Protection Association (SCCAEPA)

Session Chair: Jason Wen, Ph.D., President of SCCAEPA

Speakers and Topics:

- (1) Central/West Basin Municipal Water District  
"Water Resource and Conservation"
- (2) Guangyu Wang, Ph.D., Staff Environmental Scientist, Santa Monica Bay Restoration Commission  
"Fish Contamination off the Coast of Los Angeles and Orange Counties"
- (3) Ping Tzu (Peter) Chang, Environmental Manager, Xerox Corporation  
"Alternative Energies and Hydrogen Vehicle"

**2:50 p.m. – 4:00 p.m.: Concurrent Paper Presentation Sessions 4 and 5**

**Paper Presentation Session 4: Aeronautics and Astronautics**

Session Co-Chairs: Elizabeth Y. Kay-Im, Boi Tran

Speakers and Topics:

- (1) Hung H. Nguyen, Ph.D., The Aerospace Corporation  
"Experiments with COTS Equipments for IP over Space"
- (2) Wayne Lee, Chief Engineer, Entry, Descent & Landing system for the Mars Exploration Rovers, JPL, Caltech  
"Six Minutes - The Story of Landing on Mars"
- (3) John Wright, Senior Member of Technical Staff, Visualization and Science Application Group, JPL, Caltech  
"A Day in the Life of the Mars Exploration Rover Spirit"

**Paper Presentation Session 5: Social Sciences and Humanities**

Session Chair: Yong Chen

Speakers and Topics:

- (1) Yong Chen, Ph.D., Professor, Associate Dean of Graduate Studies, University of California, Irvine  
"Education and Increasing Sino-American Interactions in the Pacific Rim"
- (2) Steve Kaye, Ph.D., Certified Professional Facilitator  
"Good Engineer or Good Leader? --- How Communication Makes a Difference"
- (3) Ban Tran, CFM, Senior Financial Advisor, Private Client Group, Merrill Lynch  
"Concentrated Stock Strategies"

**4:15 p.m. – 5:30 p.m.: Panel Discussion Session 2 – Managing High-Tech Start-Up Company for its Success**

Organizer and Moderator: Lu Shen

Panelists:

- (1) Jin Zhang, Vice President of Technology, Spirent Communication
- (2) Yvonne Tso, M.S., MBA, Director, Pharmacy Programs, Ancillary Care Management
- (3) Dong Xu, Vice President of Technology, Aspace system

**Technical Symposium Organizing Committee**

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