

HONORS AND AWARDS

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(1) ACADEMIC / PROFESSIONAL HONORS AND AWARDS:

- 1. IEEE Fellow - for contributions to video coding algorithms and architectures**, elevated on November 15, 2007, effective January 1, 2008.
(This is one of the most prestigious honors of the IEEE and is bestowed upon a very limited number of Senior Members who have made outstanding contributions to the electrical and information technologies and sciences for the benefit of humanity and the profession. The number of IEEE Fellows elevated in a year is no more than 0.1% of the total IEEE voting membership. The IEEE Fellow is the highest grade of membership in the IEEE)
- 2. University Award for Sustained Excellence in Scholarship**, Santa Clara University, awarded on September 11, 2007.
(This is the University's highest honor for scholarly achievement. This award recognizes the outstanding achievements of a faculty member who has demonstrated sustained excellence in scholarly or creative work and who has been a member of the faculty of Santa Clara University for a minimum of ten years. Only one award given each year)
- 3. IEEE Distinguished Lecturer (Circuits and Systems)**, named for 2007 – 2008 (second time).
(Appointed as a distinguished speaker in The Institute of Electrical and Electronics Engineers (IEEE) Circuits and Systems Society Distinguished Lecturer Program)
- 4. President's Recognition Award**, Santa Clara University, awarded on September 13, 2005.
(The President's Recognition Award honors faculty who set an example for students and colleagues as teaching scholars and whose recent work has advanced the mission of Santa Clara in significant ways)
- 5. 2003 IEEE ICCE Best Paper Award (First Place Winner)** for our paper, Gunnar Hovden and Nam Ling, "MPEG-4 FAP Generation as an Optimization Problem." Award was received at the 2005 IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, Nevada, USA, on January 11, 2005.
(This award is given to the best paper presented at the IEEE International Conference on Consumer Electronics (also published in the Digest of Technical Papers for ICCE) each year. Our winning paper was presented at the conference in Los Angeles, California, USA, June 17 – 19, 2003. Our paper was the first place winner. ICCE is the flagship conference of The Institute of Electrical and Electronics Engineers (IEEE) Consumer Electronics Society)
- 6. University Award for Recent Achievement in Scholarship**, Santa Clara University, awarded on September 17, 2002.
(One of the two highest honors bestowed by Santa Clara University recognizing faculty scholarship. It was created in year 2000 to recognize scholarly or creative work by a faculty member over the previous five years, and the work represents a major contribution to a field of knowledge or to the arts. Only one award given each year. Ling is the third recipient of this award since its creation)
- 7. IEEE Distinguished Lecturer (Circuits and Systems)**, named for 2002-2003.

(Appointed as a distinguished speaker in The Institute of Electrical and Electronics Engineers (IEEE) Circuits and Systems Society Distinguished Lecturer Program)

8. **1999 Researcher of the Year**, School of Engineering, Santa Clara University, awarded on May 13, 2000. (One of the highest honors bestowed by Santa Clara University School of Engineering. It was created to recognize scholarly achievements on the part of the faculty. Only one award given each year)
9. **IEEE Senior Membership**, awarded on February 6, 1999. (Awarded by The Institute of Electrical and Electronics Engineers (IEEE) in recognition of experience reflecting professional maturity and significant professional achievements)
10. **Appreciation Plaque for Outstanding Contribution on Leading MPEG-4 Activity**, Centre for Signal Processing, Nanyang Technological University, Singapore, awarded on August 21, 1998. (Awarded by the organization in appreciation of leadership in MPEG-4 activity. This research led to a major business contract with a multi-national company)
11. **IEEE Computer Society Certificate of Appreciation**, awarded August 25, 1997. (For service to the IEEE Computer Society by serving as General Chair of the 1995 Hot Chips Symposium)
12. **Outstanding Achievement Award in Teaching, Research, and Service**, Santa Clara University, awarded on April 3, 1992. (Awarded by Santa Clara University to faculty members with outstanding achievement in teaching, research, and service)
13. **Arthur Vining Davis Junior Faculty Fellowship**, period: July 1, 1991 - September 30, 1992, awarded on March 14, 1991. (Awarded by Santa Clara University. One award each year was given to an Assistant Professor on a competitive basis for a research or creative project)
14. **U.S. National Science Foundation (NSF) Research Initiation Award**, performance period: July 1, 1990 – June 30, 1993, awarded on May 25, 1990.
15. **Who's Who Awards:**
 - **Who's Who Among America's Teachers**, included since the 3rd edition, 1994. (Selected by students of merit for excellence as a distinguished educator in America)
 - **AcademicKey's Who's Who in Engineering Education**, since 2002.
 - **Marquis Who's Who in America**, included since the 57th edition, 2003. (Selected because of the reference value of outstanding achievements. Fewer than four in 10,000 people are included)
 - **Marquis Who's Who in the World**, included since the 21st edition, 2004. (Selected because of the reference value of the position of responsibility held or the level of achievement attained)
16. **Memberships in Honor Societies:**
 - Sigma Xi, The Scientific Research Society.
 - Phi Kappa Phi Honor Society.
 - Phi Beta Delta Honor Society for International Scholars.
 - Upsilon Pi Epsilon Honor Society in the Computing Sciences.
17. **Graduate Honors** (GPA = 4.0 out of 4.0), University of Louisiana at Lafayette (then known as University of Southwestern Louisiana), USA, recognized on March 25, 1986.

Note: For a complete list of research grants received, please see the section on research grants and teaching grants.

(2) OTHER NOTABLES:

- **Technical Program Co-Chair** for 2010 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), Singapore, December 14 - 17, 2010.
- **Distinguished Invited Lecture Speaker**, invited to speak at the Distinguished Lectures for the 5th IEEE Conference on Industrial Electronics and Applications (ICIEA), Taichung, Taiwan, June 15 – 17, 2010.
- **Keynote Speaker**, 2008 IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), Macao, China, November 30 – December 3, 2008. [Keynote Speech Title: “Video Coding – A Look at Future Challenges”.]
- **Keynote Speaker**, 1st International Workshop on Video Coding and Video Processing (VCVP), Shenzhen, China, November 26 - 28, 2008. [Keynote Speech Title: “Future Challenges in Video Coding, with a Special Look at Motion Estimation”.]
- **General Co-Chair** for 1st International Workshop on Video Coding and Video Processing (VCVP), Shenzhen, China, November 26 - 28, 2008.
- **Guest Professor of Shanghai Jiao Tong University** (the honor of Guest Professor is exclusively offered to the selective globally admired experts after the review of the Academic Committee of the University), three year appointment for May 2006 – April 2009.
- **Chair** of the IEEE Circuits and Systems Society Technical Committee on Circuits and Systems for Communications, May 2006 – May 2008.
- **Technical Program Co-Chair** for 2007 IEEE International Symposium on Circuits and Systems (ISCAS), New Orleans, Louisiana, U.S.A., May 27 – 30, 2007 (ISCAS is the flagship conference of the IEEE Circuits and Systems Society, with more than 2,400 papers submitted and an attendance of about 1,500).
- **Program Co-Chair** for 2007 IEEE Workshop on Signal Processing Systems (SiPS), Shanghai, China, October 17 – 19, 2007.
- **One of the “Best Minds”** met by researchers in the 4th Industrial Technology Research Institute (ITRI) (Taiwan) Elite Researchers Program: “Meet the Best Minds,” May 17, 2005.
- **Speaker** and **Panelist** of the prestigious U.S. Taiwan High-tech Forum (sponsored by the Silicon Valley Chapter of the North America Taiwanese Engineers’ Association), September 10-11, 2004.
- **Distinguished Visiting Professor** to National Dong Hwa University, Taiwan, program co-sponsored by Taiwan’s Ministry of Education, March 24-30, 2004.
- **Speaker** of the prestigious **Shannon Lecture Series** at Stanford University (sponsored by Santa Clara Valley Chapter of the IEEE Computer Society and the Stanford Student Chapter of the IEEE), March 18, 2004.
- **Associate Editor** (Signal Processing and Multimedia), **IEEE Transactions on Circuits and Systems – I: Fundamental Theory and Applications**, appointed for 2002-2003. This is a prestigious journal in the area of circuits and systems research.
- **Program Chair** for Third International Workshop on Digital and Computational Video (DCV), Clearwater Beach, Florida, USA, November 14-15, 2002.
- **Program Co-Chair** for 2000 IEEE Workshop on Signal Processing Systems (SiPS), Lafayette, Louisiana, USA, October 11-13, 2000.
- **Primary author of a book** (co-authored with M. A. Bayoumi), titled **Specification and Verification of Systolic Arrays**, published by World Scientific Publishing Company Pte. Ltd., Singapore, August 1999.

- Received appreciation plaque for contributing and presenting at the first Singapore MPEG Seminar, Nanyang Technological University, June 10, 1998.
- Invited by Dr. Yuan T. Lee, President of Academia Sinica and a Nobel laureate, to give a seminar at Academia Sinica, the premier research institute in Taiwan. Seminar given in July 1996.
- Conducted more than 80 invited colloquia/seminars in eight different countries (including universities, companies, and research organizations), 1989 – present. For a complete list, please see the section on invited colloquia/seminars.
- **General Chair** for IEEE Hot Chips Symposium VII, a conference with a total attendance of about 1,000, held at Stanford University, Stanford, California, USA, August 13-15, 1995.
- **Chair** of IEEE Computer Society Technical Committee on Microprocessors and Microcomputers, 1993 – 1995.
- Best paper in the Software Design Tools and Techniques Minitrack, Hawaii International Conference on System Sciences, Kauai, Hawaii, USA, January 7 - 10, 1992.
- More than 140 publications in refereed journals, books, and refereed conferences, August 1987 - present.