

S. K. Ramesh
Dean, College of Engineering and Computer Science &
Professor of Electrical and Computer Engineering
California State University, Northridge
<http://www.ecs.csun.edu/ecs/ramesh.html>

a. Professional Preparation

University of Madras, Electronics and Communications Engineering, B.E. (Honors), 1981
Southern Illinois University Carbondale, Electrical Engineering, MS, 1983
Southern Illinois University Carbondale, Major: Electrical Engineering, Ph.D., 1986

b. Appointments

Dean, College of Engineering and Computer Science at California State University,
Northridge, **August, 2006 - Present**

Department of Electrical & Electronic Engineering, CSU, Sacramento, September **1, 1987 to August, 2006:**

Department Chair, Electrical & Electronic Engineering, **August 1, 1994 – August, 2006.**

Graduate Coordinator, Electrical & Electronic Engineering, May **1991 to August 94.**

Associate Professor, September 1990 to September 1992.

Assistant Professor, at **September 1987 to September 1990.**

Visiting Assistant Professor at Southern Illinois University Carbondale, in Electrical Engineering, **August 1986 to May 1987.**

Visiting Instructor at Southern Illinois University Carbondale, in Electrical Engineering, **August 1983 to August 1986.**

Graduate Assistant (Teaching and Research) at Southern Illinois University Carbondale, in Electrical Engineering, **August 1981 to August 1983.**

c. Selected Publications and Presentations (relevant to this project)

1. **S. K. Ramesh**, "Perspectives on the Globalization of Engineering", **Keynote Address at the IEEE SFV Annual Banquet**, December 11, 2010.
2. **S. K. Ramesh**, Rosemary Papalewis, Ric Brown and Jim Fritch, "Power Up Your Classroom," Proceedings of Deans Summit II: Fostering Campus Collaborations, www.ieee.org/eab/fcc, **IEEE Educational Activities Board**, Miami, Jan 2003.
3. "Physical versus Virtual Laboratories in Electrical Engineering: Current Status and Future Directions", **National Electrical Engineering Department Heads Association (NEEDHA) Annual meeting**, San Diego, March 17, 2001
4. **S. K. Ramesh**, Andrew Lindsay and Michael J. Fujita, "Experiments from Optical Engineering and Robotics for a pre-engineering program," **Proceedings of the 31st IEEE Frontiers in Education Conference**, Session T2A, Pages T2E-5-10, Reno, October 2001.
5. **S. K. Ramesh**, Michael J. Fujita, Preetham Kumar, Andrew Lindsay, Steven de Haas and Elizabeth-Gillis Raley, "An Interactive Workshop for High School Teachers to

Develop and Teach Pre-Engineering Curricula," Session 2793, **Proceedings of the 2001 ASEE Annual Conference and Exposition**, Albuquerque, NM, June 2001

6.S. K. Ramesh,"Introduction to Engineering: Attract Students and Strengthen the Pipeline," **Proceedings of the IEEE Frontiers in Education Conference**, Paper 13d7-1, San Juan, November 99.

7. S. K. Ramesh, "Engineering Education at the Crossroads: The Role of research in undergraduate institutions," **Invited Presentation at the University Association of Research Scholars**, Sacramento, October 1993.

d. Synergistic Activities

I joined CSU Northridge as dean of the College of Engineering and Computer Science in August 2006. I serve on the system wide Strategic Planning Council of CSUPERB (www.calstate.edu/csuperb) ; the California State University system wide program that promotes education and research in biotechnology. At CSUN, I worked together with faculty across the institution to initiate a new Professional Science Masters degree program in Assistive Technology Engineering.

The ACCESS (Accelerated Coursework in Computer science and Engineering for Student Success) program that I helped develop enrolls 150 students in a dozen high schools to better prepare students entering engineering. I serve as the higher education mentor for Helen Bernstein HS with a small learning community focused on bioengineering. I have served the IEEE at the regional and national levels focusing on workforce development, and STEM issues to strengthen the pipeline and preparation of our entering students into engineering programs. Presently I serve on the IEEE Educational Activities Board. I am also a member of SIGMA XI, and Eta Kappa Nu and have held leadership positions in these organizations and several Boards and non-profit agencies.

e. Collaborators & Other Affiliations

(i) Graduate Advising

I have served as the Thesis Advisor for over one hundred graduate students during my career at Sacramento State. Also I have served on three PhD dissertation committees during the past five years.

(ii) Journal reviews

I have served as a reviewer for the Journal of Optics and Laser technology (Elsevier Publishing), IEEE, ASEE in the past five years.

f. Recent Honors and Awards

1. The Engineers Council (www.sfvec.org), “**William B. Johnson International Inter professional Award**” for leadership and contributions to the Profession, Engineers Week Banquet, **February 2009**.

2. Inaugural Distinguished Alumni Achievement Award, In recognition of Academic Excellence, NITT, India, April 2007.

3. “IEEE Region 6 Community Service Award”, Presented for leadership in developing and offering high school teachers workshops to promote engineering education, **Anaheim, September 2004.**