

# ROBERT G. DAVIS

davisrg@colorado.edu

## EDUCATION

- 8/03 – 12/06      **Doctor of Philosophy degree in Cognitive Psychology**  
University of Colorado Boulder      Boulder, CO
- 6/82 – 5/84      **Master of Science degree in Architectural Engineering**  
The Pennsylvania State University      University Park, PA
- 9/77 – 5/82      **Bachelor of Architectural Engineering degree**  
The Pennsylvania State University      University Park, PA

## PROFESSIONAL EXPERIENCE

- 1/24 – present      **Scholar in Residence, Director of Professional Lighting Education**  
Civil, Environmental and Architectural Engineering Department  
University of Colorado Boulder      Boulder, CO  
  
Teaches several courses per year for professionals through the CU Continuing Education program. Provides leadership to the Rocky Mountain Lighting Academy Short Course programs and the graduate professional Architectural Lighting Certificate program.
- 6/13 - present      **Chief Lighting Research Engineer**  
Pacific Northwest National Laboratory      Portland, OR  
  
Provides leadership for a broad portfolio of research activities with annual funding over \$7 million. Technical Director for the PNNL Advanced Lighting Team, which conducts in-depth evaluations of SSL technology and field installations of LED lighting systems in support of the US Department of Energy's solid-state lighting program. Leads research efforts related to human factors in lighting.
- 6/07 – 6/13      **Director, Product Innovation & Marketing**  
Litecontrol Corporation      Plympton, MA  
  
Member of the company's Senior Management Team which established corporate strategy and direction. Provided leadership to four engineering teams and a marketing team, with responsibility for all marketing and communications, product development, photometric testing, and applications engineering. Led the company's sustainability and education programs.
- 8/98 – 6/07      **Senior Instructor in Architectural Engineering**  
Civil, Environmental and Architectural Engineering Department  
University of Colorado Boulder      Boulder, CO  
  
Taught four to six courses per academic year in building systems engineering. Served as academic advisor for more than 40 undergraduate students, and as faculty advisor for the student chapters of the Architectural Engineering Institute (AEI) and the Illuminating Engineering Society (IES). Served as ABET Accreditation Coordinator. Secured over \$250,000 in external funding for research and education projects.

9/90 – 8/98

**Technology Group Leader and Research Assistant Professor**

Lighting Research Center (LRC), School of Architecture  
Rensselaer Polytechnic Institute Troy, NY

Managed about \$1,000,000 annually of externally funded research. Served as Director of the National Lighting Product Information Program, supervising four full-time researchers and several student research assistants. Served as advisor for eight MS theses (listing available). Developed and taught a two-course lighting technology sequence in the Master of Science in Lighting degree program.

6/84– 9/90

**Manager: Lighting Application & Research**

Sylvania Lighting Division of GTE Products Corporation  
Product Management & Application Group Danvers, MA

Provided technical and product application support to US sales and field engineering staff; initiating and conducting educational programs and product application research projects; providing application support to individual product managers; and designing lighting systems for spaces within the headquarters facility. Led a team to develop a major new mobile demonstration center, the Sylvania LightMobile.

## TEACHING AWARDS

- John and Mercedes Peebles Innovation in Education Award, 2005, College of Engineering and Applied Science, University of Colorado
- Voted “Favorite professor” by graduating seniors in Architectural Engineering; 2003 & 2004
- Selected for the Edison Price Fellowship, Nuckolls Fund for Lighting Education, 2004
- Outstanding Teaching Award, 2000, CEAE Department, University of Colorado
- University of Colorado Engineering Council Teaching Award, 1999

## RESEARCH & TECHNICAL

- Fellow, Illuminating Engineering Society of North America
- Co-Director, Rocky Mountain Lighting Academy, 2016-present
- Adjoint Faculty, University of Colorado Boulder, Architectural Engineering, 2019-present
- Affiliated Faculty, Pennsylvania State University, Architectural Engineering, 2020-present
- Guest Editor, *LEUKOS* Special Issue on Lighting Research Methods, 2019
- Dean’s Faculty Fellowship, 2005, College of Engineering and Applied Science, Univ of Colorado
- Distinguished Technical Communication Award, Society for Technical Communication, 1998
- Third-prize Technical Paper Award, Institute of Electrical and Electronics Engineers, 1997
- New York State Governor’s Award for Energy Excellence, 1994
- Illuminating Engineering Society’s Taylor Technical Talent Award, 1994