Related Publications and Presentations:


Architecture, Technology Road Map and Deployment Strategy. Preprints, Joint 21 IIPS and 14 Education. American Meteorological Society, San Diego, CA.
* Denotes undergraduate students; ** Denotes high school teachers

**Recent Grants and Contracts:**
Acquisition of remote sensing systems for lower atmospheric research and undergraduate research training at Millersville University. National Science Foundation, MRI. $280K. 2006-2009.
Exploiting laboratory experiments in the teaching of meteorology, oceanography, and climate: Phase II. NSF, contract with Massachusetts Institute of Technology. $26K. 2006-2009.
SuomiNet: A real-time national GPS network for atmospheric research and education. NSF-MRI partner, $15K, 2000-2002
Investigation of factors determining the occurrence of ozone and fine particles in the Northeast USA. US-EPA. $244.5K. 1998-2001
Workstations to support interactive learning and research in atmospheric science using Unidata applications. NSF-ATM: UCAR and Lower Atmospheric Facilities Section, $11K, 2000-2001

**Professional and Synergistic Activities:**
- Unidata Policy Committee (member, 2006-09)
- 2006 Unidata Users Workshop, “Expanding the Use of Models as Educational Tools in the Atmospheric & Related Sciences,” LEAD Session participant
- Partner in a NSF-ITR (Large) Collaborative, LEAD education and outreach
- Chair, Vice-Chair, Member NSF-NCAR Observing Facilities Advisory Panel, 2003-2006
- NSF-funded Forum on Geoscience Information Technology (FGIT), Washington, DC
- UCAR Unidata Users Committee, served two terms as chair, 2000-2004
- 2003 Unidata Users Workshop, “Expanding Horizons…,” organizer and host
• Program Chair, First AMS Student Conference and Career Fair, Orlando, FL 2002
• Millersville University representative to the UCAR Academic Affiliates Program

Awards:

2008 AMS Teaching Excellence Award
The 2006 Russell L. DeSouza Award for Outstanding Service to the Unidata Community.