

professional development. Handled district-wide initiatives including after-school programs and No Child Left Behind. Created three-year District Educational Technology Plan.

- **Program Manager, AmeriCorps Reading Partners Program**, Grant of \$125,000 per year for three years. Focus on community volunteers and classroom interventions for early literacy.
- **Program Director, Students Using Technology to Achieve Reading / Writing (STARW)**, NJDOE Grant of \$200,000 per year for three years. Focus on tech integration in K-6 classrooms.
- **Director, Stafford Township Education Foundation**. Newly established non-profit. Managed board recruitment, helped develop vision, mission and formative documents.

RICHARD STOCKTON COLLEGE OF NEW JERSEY, Pomona, NJ and

7/97 to 7/03

ATLANTIC COUNTY INSTITUTE OF TECHNOLOGY, Mays Landing, NJ

Director of Southern Regional Educational Technology Training Center (ETTC)

Founding director of professional development consortium (initially named Atlantic County ETTC) for K-12 schools and non-profit organizations. **Brought in substantial new funding and external grants.** Provision of several hundred workshops annually at several training sites. Organized annual tech integration contest. Assisted schools with technology innovation. Considerable grant-writing, managing budgets, developing financial self-sufficiency and organizing statewide conferences.

- Managed consortium growth from 24 to 61 school districts and non-profits in five counties. Budget grew over six years from \$150,000 to \$750,000 with diverse funding streams. Strategic planning, fund-raising, programmatic responsibilities. Annual statewide **From My Classroom to Yours** Conference.
- **NJ ELITE Statewide Design Team and Lead Presenter**. Helped implement five-year \$5.1 million grant from Bill and Melinda Gates Foundation for statewide training of school leaders.
- **Co-Principal Investigator (with Dr. Paul Lyons), Schools for a New Millennium, National Endowment for the Humanities (NEH)**, 2001. Two-year grant totaling \$145,000. First NEH grant to Stockton. Holocaust education, digital video, graduate courses for K-8 teachers.
- **Principal Investigator, EdLink NJ Grant, Verizon Foundation**, 2001. One-year \$50,000 grant. First Verizon Foundation grant to Stockton. Video-conferencing K-12 students with faculty.
- **County Approval Committee** for all school district three-year educational technology plans.

ENVIRONMENTAL DEFENSE, New York, NY

1/93 to 3/00

Research Consultant and Research Intern

Collaboration with Dr. Michael Oppenheimer of Princeton University on aircraft emissions affecting global warming and ozone depletion. **Lead Author for Intergovernmental Panel on Climate Change (IPCC) at the United Nations** for *Special Report on the Environmental Effects of Aviation*.

- Created the EDF dynamical systems model of projected aviation demand and technology improvement focusing on developing countries. Model was published as an EDF Special Report in 1994. International attention led to peer-reviewed article in *Energy Policy* in 1998 and an invited presentation at NASA to modelers from NASA, Boeing and commercial airlines.
- EDF model gained international credence, leading to selection as Lead Author for United Nations IPCC Report, participation at international negotiation meetings, provision of data and analysis, review and comment on other researchers' findings and chapter review comments.
- EDF model results were accepted by IPCC as one of six trajectories for aviation emissions in the Executive Summary for PolicyMakers. As a result, several corporate models were modified. EDF had the only model from an advocacy organization included in IPCC report.

POINTS OF LIGHT FOUNDATION, Philadelphia PA

1/97 to 6/97

Research / Management Consultant, Presidents' Summit on America's Future.

Co-coordinator for Bell Atlantic Community Technology Showcase through HandsNet. This Summit brought together four U. S. Presidents and launched Colin Powell's national community service initiative.

UNITED STATES DEPARTMENT OF COMMERCE, Washington, DC

9/94 to 6/96

Grant Program Officer and Database Research Consultant

Responsibilities at Telecommunications and Information Infrastructure Assistance Program (TIIAP) included conducting nationwide technical assistance and outreach, coordinating grant review panels, negotiating and funding proposals and monitoring grants. TIIAP at the National Telecommunications and Information Administration (NTIA) provided non-profits with several million dollars of grants.

- Analyzed, organized review panels, and facilitated peer review of more than 200 grant proposals. Negotiated, managed and monitored 25 federal grants totaling more than \$10 million. Projects in community networking, K-12 and higher education, economic development and human services.
- Responsibilities included public speaking, a Senate subcommittee hearing, national presentations.

BELL COMMUNICATIONS RESEARCH (BELLCORE), Various locations, NJ

6/87 to 8/91

Member of Technical Staff and Senior Staff Technologist, Applied Research Laboratory.

MIT Electrical Engineering Cooperative Internship Program (Three summers, one fall semester). Two years total of engineering research. Authored two peer-reviewed Technical Memoranda.

Teaching Experience

- **Adjunct Professor**, Master of Arts in Instructional Technology (MAIT) Program at Stockton College. Taught *Educational Software and Hardware* and *Grant Writing*. Supervised one capstone project and several graduate assistantships.
- **Training Experience:** Have presented several hundred hands-on technology training workshops at skill-building, conceptual and planning levels. Examples include: Technology Integration in the Classroom, Word, PowerPoint, Excel, Access, Inspiration, Kidspiration, Language Arts and Math software, WebCT, Outlook, video-conferencing concepts, FrontPage and NetMeeting.

Honors and Awards

- **Intergovernmental Panel of Climate Change (IPCC) Nobel Peace Prize 2007 Certificate**
- **New Jersey Technologist of the Year Award 2003** from the NJ Association of Educational Technology. Three individuals from the state are selected annually to receive this award.
- **National Telecommunications Partnership Award 2003** - SBC Foundation and Partners in Education, Inc. Thirteen organizations received national award for exemplary partnerships.
- **Vice President Al Gore's Hammer Award 1995** - NTIA Information Technology Committee
- **Dept. of Commerce Silver Medal 1995** - TIIAP program
- **MIT Burchard Scholar** for Excellence in the Humanities 1988-89
- **MIT Tau Beta Pi** - Engineering Honor Society 1987
- **MIT Eta Kappa Nu** - Electrical Engineering Honor Society 1987

Grant Review Experience

- **New Jersey State Systemic Initiative Grants**, Rutgers University, 2004 and 2005
- **Telecommunications Opportunities Program Grants**, U.S. Dept of Commerce, 2002 and 2003.
- **Technology Innovation Challenge Grants**, U.S. Dept of Education, 1997.

Personal

U.S. Citizen.

Publications

- Wickrama, U. K., Henderson, S. C., Vedantham, A., et. al. (1999) Chapter 9 Aircraft Emissions: Current Inventories and Future Scenarios. *Aviation and the Global Atmosphere*. Intergovernmental Panel on Climate Change (A United Nations Agency). Cambridge, UK: Cambridge University Press.
- Vedantham, A., & Oppenheimer, M. (1998). Long-term scenarios for aviation: Demand and Emissions of CO₂ and NO_x. *Energy Policy*. Vol. 26. No. 8.
- Sparrow, J., & Vedantham, A. (1996). Inner-city Networking. *Journal of Urban Technology*. Spring.
- Vedantham, A. & Breeden, L. (1995). Networking for K-12 Education: The Federal Perspective. *Internet Research Journal*. Vol. 5, No. 1. Article was subsequently reprinted in the *Korean Business Journal*, South Korea, 1995. Vol. 2. No. 3.
- Oppenheimer, M. & Vedantham, A. (1994). *Aircraft Emissions and the Global Atmosphere*. EDF Special Report. New York: Environmental Defense Fund.
- Vedantham, A. (1991). An Anecdotal History of Telecommunications in Zimbabwe. *African Technology Forum*. Cambridge, MA: ATF. January issue.

National / International Conference Presentations (Selected)

- Vedantham, A. & Toccafondi, D. (2008). "Student Created Videos: Creativity Unleashed" and "Five Minutes of Fame: Weigle Information Commons". *2008 NMC Annual Conference*, June 12, Princeton, NJ.
- Vedantham, A. & Decherney, P. (2008). Mashup Contest at UPenn: Copyright and Free Culture. *2008 NMC Symposium on Mashups*, April 2, Online Conference.
- Vedantham, A. & Decherney, P. (2007). Mashup Contest: Student created video parodies. *Coalition for Networked Information Fall 2007 Task Force Meeting*, December 11, Washington, DC.
- Vedantham, A. (2006). Facilitator: "How should all Princetonians be engaged in education?" *Princeton University Alumni Summit on K-12 Schooling in America*. June 1, Princeton, NJ.
- Gallaro, D., Vedantham A., et al. (2006). The Stockton Way. *Annual Meeting of the Association of American Colleges and Universities (AACU)*. Washington DC.
- Vedantham, A. & Lee, J. (2001). Showcasing Our Best Teacher-Created Lessons: A Story of Collaboration. *Annual conference of National Educational Computing Conference (NECC)*, Chicago, IL.
- Kesselman, H., Marchetti, J. & Vedantham, A. (2001). Technology at Its Best: Successful Professional Development Partnerships with K-12 Schools. *Annual Conference of the National Association of Student Personnel Administrators (NASPA)*. Seattle, WA.
- Marchetti, J. & Vedantham, A. (2001). Outside the Box: Successful Professional Development Partnerships with K – 12 Schools. *Annual conference of the Association of College Personnel Administrators (ACPA)*. Boston, MA.
- Vedantham, A. (1998). Lead Authors Meeting - Chapter 9 Aviation and the Global Atmosphere, *Intergovernmental Panel on Climate Change Conference*, Montreal Canada, October.
- Vedantham, A. (1998). Lead Authors Meeting - Chapter 9 Aviation and the Global Atmosphere, *Intergovernmental Panel on Climate Change Conference*, Munich, Germany, August.
- Vedantham, A. (1998). Lead Authors Meeting - Chapter 9 Aviation and the Global Atmosphere, *Intergovernmental Panel on Climate Change Conference*, Geneva, Switzerland, March.
- Vedantham, A. (1997). Special Presentation on EDF Model, *NASA Climate Change Symposium*, Washington,

DC. June.

Vedantham, A. (1995). TIIAP Accomplishments. *Technology Challenge Grants Kickoff*, U.S. Dept. of Education. Washington DC. July.

Vedantham, A. (1995). Inner-city Networking - Panel Discussion Moderator. *Educom NationalNet Conference*. June.

Vedantham, A. (1995). TIIAP Accomplishments. *U. S. Senate Agriculture Subcommittee Hearing*.

Vedantham, A. (1995). How to prepare a TIIAP Proposal. *TIIAP National Technical Assistance Conference*. Omaha, Nebraska. March.

Vedantham, A. (1995) How to prepare a TIIAP Proposal. *TIIAP National Technical Assistance Conference*. Portland, Oregon, March.

Statewide Conference Presentations (Selected)

Vedantham, A. (2003). Technology Ideas for Language Arts. *NJ Association for Educational Technology Annual Conference*, Georgian Court University. Lakewood, NJ. October.

Vedantham, A. (2003). Technology in Math Science Education Certificate. *NJ Statewide Systemic Initiative Annual Conference*. New Brunswick, NJ. February.

Vedantham, A. & DiNicola, J. (2003). Creating a Well-Organized School. *Techspo Annual Conference for NJ Association of School Administrators*. Atlantic City, NJ. January.

Vedantham, A. (2002). Digital Portfolios for Teachers. *NJ Education Association Annual Convention*. Atlantic City, NJ. November.

Vedantham, A. (2002). Keynote Speech: Technology Tools. *New Jersey Educational Support Staff Association Annual Conference*. Atlantic City, NJ. November.

Vedantham, A. (2001). Penny Wise, Dollar Foolish. *Making IT Fit One Ease-E Link Conference for Non-Profit Organizations*. Atlantic City, NJ. September.

Vedantham, A. (2000). Self-Expression through Technology. *NJ Education Association Annual Convention*. Atlantic City, NJ. November.

Local / Customized Presentations

Complete list available upon request. Several hundred workshops presented to school districts, government and community organizations. Workshops for school superintendents, principals, teachers and general public. Topics included web design, state education standards, state assessments and technology policy.

Community / Professional Service (Selected)

Penn Libraries Staff Development Task Force, Member (2007 to present).

NJ Association for Educational Technology, Board Member (2006 to present).

Periodic Review Report Steering Committee for Middle States Accreditation, Stockton College (2006 to 2007).

NJ DOE Educational Technology Curriculum Committee (2003 to 2007). Group is designing the statewide technology assessment for all K-8 students to meet NCLB requirements.

NJ DOE Technology Literacy Assessment Committee (2003 to 2007). Group is addressing newly approved technology literacy standards and assessment concepts.

NJ ELITE Design team (2001 to 2003). Statewide Committee for \$5.1 million grant from Bill and Melinda Gates Foundation to NJ Principals and Supervisors Association (NJPSA).

Statewide Review Panel (2002) for NJ Department of Education's State Three-Year Technology Plan.
National Educational Computing Conference CD-ROM Proceedings Planning Committee, 2000.