
Dr. Siva Kumari

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EDUCATIONAL BACKGROUND

Ed. D., Focus Area: Instructional Technology,
Department of Curriculum and Instruction
University of Houston (1999)

Dissertation: A Study of Higher Education Faculty Implementing
Web-based Teaching.

A web-based survey research study that collected data from a
sample of 250 higher education faculty in colleges of education from
across the United States to study three dimensions of interactions:

Student-to-student
Student-to-teacher
Student-to-resource

Graduate Level Certification in Biomedical Communications,
University of Texas Health Science Center, Houston, Texas (1991)

M. A., Rehabilitation Counseling, *University of Cincinnati*, Cincinnati,
Ohio (1983)

Graduate Courses in Psychology, *Andhra University*, India (1981)

Bachelor of Science, *St. Joseph's College*, Visakhapatnam, Andhra
Pradesh, India (1980)

HONORS AND AWARDS

Outstanding Doctoral Student of the Year
College of Education, University of Houston (1999)

Outstanding Academic Student of the Year
Biomedical Communications Program
University of Texas Health Science Center, Houston (1991)

National Dean's List
Appointed by the University of Texas Health Science Center,
Houston (Fall, 1990)

Merit-based Graduate Scholarship for entire Graduate Study
University of Cincinnati (1982-1983)

PROFESSIONAL EXPERIENCE

Research Assistant Professor

Instructional Technology Program Area, College of Education
University of Houston (Jan, 1999 - Present)

Responsibilities include creating an Online Certification Program in Information Processing Technologies. Teaching graduate courses in instructional technology in traditional face-to-face settings and developing courses for online delivery formats. Creating and presenting workshops in inter-institution faculty-development programs relating to web-based learning. Conducting research about online learning. Authoring grants.

Current Course: CUIIN 6345 - Integration of technology into the curriculum. Introduced local area school teachers, administrators and outreach personnel as virtual guest hosts in the online discussion groups of the course. Available online: <http://www.coe.uh.edu/~skumari/itc>

Course in development: Courseware and presentation tools

Program/ Project Manager, OWLink Distance Learning Project

Center for Technology in Teaching and Learning
Rice University (*August, 1994 - November, 1997*)

Program and project manager for an ATM based distance learning network that connected five schools in the Texas Area via two-way interactive tele-distance system as a Rice University outreach project.

- Implemented professional development programs to enable teachers to create and maintain independent web resources and use the tele distance system.
- Developed and maintained the website for the project. Created newsletters and participated in interviews related to publicity events.
- Presented papers about project at local, national and international conferences.
- Taught middle school computer elective for the Rice School.
- Initiated, designed and implemented instructional projects in collaboration with K-12 teachers, higher education faculty and community organizations. Some of the programs initiated, developed, managed and produced in collaboration with other departments at Rice University and community groups:

RABIES - Rice Association of Biologically Inclined Students

Collaborated with this student group to present lessons in Biology and Biochemistry to students and teachers in the Rio-Grande Valley.

AP Calculus

Created in collaboration with the *Rice University School Math Project (RUSMP)* to present AP Calculus lessons to High School for Health Professions and Science Academy in South Texas.

WITSLink - Online collaborative creative writing

Created a program to enhance the creative writing skills of high school students in collaboration with Writers in the Schools, an organization that places writers in local schools. Implemented the use of collaborative computer-based conferencing tools between schools in Houston and the High School for Health Professions in South Texas to develop online anthologies that enables students to develop information processing skills.

Local Heroes - Technical/ TAAS Writing

Collaborated with the English Department at Rice University to create a course to improve TAAS related writing skills of high school students.

CollegeLink

Collaborated with Dr. Robert Ford of Houston Community College in order to create a summer program for students to acquire skills related to college entry such as writing samples and finding information about potential schools.

WebCamps

Managed summer web-camps for students in local area schools.

AP Statistics

Collaborated with the Rice University Psychology Department to provide high school students with exercises related to statistics in psychological studies.

Ask Dr. Logic

Developed a contest in collaboration with the Rice University Philosophy Department and Dr. Mark Tish, Worthing High School to create a contest developed to present logic problems to improve critical thinking skills that were appropriate for high school students.

Brain Awareness Week - Annual

Developed a series of talks related to the brain and its' functioning in collaboration with Baylor College of Medicine, U. T. Medical School and the Society for Neuroscience.

GirITECH - NSF Program

Created a professional development program for teachers to integrate information technologies into the teaching of science and mathematics for the Center for Research and Parallel Computing, Rice University

Galveston Bay Online Curriculum

Created an interdisciplinary web-based unit designed for the seventh grade that focuses on issues of the Galveston Bay area. The unit combines lessons in language arts, science, health science, technology, mathematics, and social studies.

Instructional Technology Consultant

Houston Independent School District *(May, 1994 - August, 1994)*

Created and maintained gopher and eventually web-based resources for the award winning Armadillo - Texas Resources Server. Redesigned and maintained the K-12 resources list. Continue to co-manage the Armadillo listserv - for those interested in resources and discussions about Texas. Continue to assist in maintaining K-12 resources section.

Web-design Consultant

Baylor College of Medicine *(June, 1994 - July, 1994)*

Temporary consulting contract. Created the structure and design for the Hispanic Health Server that served two purposes. It served as an informational resource to recruit minority students to the field of medicine. Additionally, it hosted courses that specifically related to Hispanic health issues.

Research Assistant

Health Information Technologies and Education Center
University of Texas Health Science Center (1992 - 1993)

Managed finances and accounts of a national grant to educate higher education health science faculty in creating barcodes and using videodiscs as instructional aids. Was a team member in authoring the book "Creating barcodes for using videodisks."

Instructional Design Consultant

Office of Patient Education
M. D. Anderson Cancer Center November (1991 - 1992)

Researched and authored scripts for patient education videos. Researched the equipment needs for a computer center for patient education.

Instructional Design Internship

Office of Patient Education, M. D. Anderson Cancer Center *(1990)*

Rehabilitation Counselor

Liaison, Inc. *(1990)*
Crawford and Company *(1984 - 1985)*

Responsible for conducting vocational evaluations and counseling services for rehabilitation patients in order to assess residual and transferable skills related to their work-related injuries. Worked with insurance companies, physicians and attorneys to ensure that the patient returned to gainful employment. Arranged educational opportunities for the workers where necessary.

PUBLICATIONS

- Kumari, S. (In review). Connecting graduate students to virtual guests through asynchronous discussions - An analysis of the experience.
- Kumari, S. Adopting Information Technologies as Instructional Environments: Experiences of Faculty in an Urban Public University. Chapter in review for the book - Cases on Information Technology in Higher Education - edited by Lisa Petrides, Teachers College, Columbia University.
- Kumari, S. and others. (In review). In-service teacher education and the relationship to implementation of student research activities using the Internet - A correlational study.
- Kumari, S. Technological Change and its Impact on Teaching in Higher Education Institutions. Electronic Journal of Communication, Managing Editor - Teresa Harrison, Renesselear Polytechnic Institute. paper in Electronic Journal of Communication. Completed peer review - In press.
- Kumari, S. Teaching with the Internet. Journal of International Technology and Teacher Education. Completed peer review - In press.
- Kumari, S. (1997). Technology Training Model for Inservice Teachers to Integrate Information Technologies. In J. D. Price, K. Rosa, S. McNeil and J. Willis (Eds.), Technology and Teacher Education Annual, Proceedings of SITE 97 Eighth International Conference of the Society for Information Technology and Teacher Education (SITE).
- Miller, L. & Kumari, S. (1997). Project OWLink: Distance Learning in Electronic Studios. In Proceedings of the Fourth Annual National Distance Education Conference Proceedings (pp. 133-140). Corpus Christi, Texas: Center for Distance Learning Research.
- Kumari, S. (1996). Teaching with the Internet. In A. Ellis & R. Hall (Eds.), Proceedings of the Second International N. A. Web Conference (pp. 1-5). New Brunswick, CA: University of New Brunswick Press.

REVIEWER/READER

Field Reader, U. S. Department of Education, Community Technology Centers Program - Bridge the Digital Divide, Office of Vocational Education
August, 1999

Reviewer of paper-proposals submitted to N. A. Web Conferences sponsored by the University of New Brunswick, Canada
1999, What Works and Why
1998, The Virtual Campus

EDITORIAL SERVICE

Section Editor, Technology and Teacher Education Annual, 1998, 1999

Associate Editor, Technology and Teacher Education Annual, 1997
Society for Information Technology and Teacher Education (SITE)
American Association of Computers in Education (AACE)

PRESENTATIONS

2000

Web-Based Student Portfolios in a Graduate Instructional Technology Program,
Paper proposal submitted to SITE 2000, American Association of Computers in



Education

Creating an Online *Essential Skills in Instructional Technology* Program: An
Analysis of the Experience and a Discussion of Issues, Paper proposal
submitted for DEC 2000, Center for Distance Learning Research, Texas A&M.

1999

Education in an online environment: Principles of good practice. Workshop to
the CampusNet Workgroup for Online Teaching, University of Houston
System Distance Education, May 1999

A correlational study of Teacher Education and the Impact on Student
Research Activities on the Internet
Paper presentation at Society for Information Technology in Teacher
Education '99 - AACE
San Antonio, Texas - March, 1999

Internet Research Model
Presentation at MSET, San Antonio, Texas - March 1999

1997

Pre- College Mathematics via Interactive Teledistance - Rice University and K-
12 Schools
Session presented at the 10th Annual *International Conference on
Technology in Collegiate Mathematics (ICTCM)*
Chicago, Illinois - November 1997

Mathematics via Teledistance: Lessons Learned
Presentation at *Conference for the Advancement of Mathematics Teaching
(CAMT) '97* - 44th Annual Conference Houston, Texas - July, 1997

Mathematics, Teledistance and the Internet
Presentation at the *Gulf Coast Consortium for Mathematics*
Houston, Texas - July, 1997

Technology Training Model for Inservice Teachers to integrate Information
Technologies

Paper presented at SITE 97--Society for Information Technology and Teacher Education, 8th International Conference
Orlando, Florida - April 1997

Inventing New Models for Teaching in Electronic Studios Linked via an ATM Network
Presentation at the 1997 Western Communications Forum presented by the International Engineering Consortium
Colorado Springs, Colorado - March, 1997

Project OWLink - Distance Learning in K-12 Schools
Presentation at the Texas Computer Educator's Association Annual Meeting
Austin, Texas, - February, 1997

Project OWLink: Distance Learning in Electronic Studios
Paper presented at the Fourth Annual National Distance Education Conference sponsored by the Center for Distance Learning Research
Corpus Christi, Texas - January, 1997

1996

Teaching with the Internet
Paper presented at the Second International N. A. Web Conference
New Brunswick, Canada - October, 1996

The Role of the Teacher in the Digital Age
Presentation to the GirlTECH Project, Houston, Texas - June, 1996

Panel Discussion: Texas Video Demonstration Projects
Texas Distance Learning Association Annual Conference
Dallas, Texas - May, 1996.

Profiles of Internet Use in the Classroom with co-presenter
Texas Computer Educators Association, Regional Conference
Austin, Texas - February, 1996

Lessons My Students Taught Me with co-presenters.
Enron Conference for Teaching Excellence
University of Houston - February, 1996

1995

Internet Use in the Classroom with co-presenter Don Perkins
Texas Computer Educators Association, Local Chapter,
Houston, Texas - Fall, 1995.

Bridging the Gap Conference
Sponsored by the Washington Children's Museum
Washington D.C. - June 1995

GRANT WRITING EXPERIENCE

June 1999

Authored a grant on behalf of the Department of Curriculum and Instruction, UH, in response to the RFP by the *U. S. Department of Education's* Preparing tomorrow's teachers to teach with technology grant.

May 1999

Received the ***Houston Delphian Chapter Award*** for to provide hardware for students in the College of Education, Department of Curriculum and Instruction, to create electronic portfolios.

March 1999

Rewrote a grant to the ***Texas Council for Humanities*** to fund a web-based multimedia resource regarding Houston's civil rights movement and create teacher training programs that implemented the resource in the classroom.

February 1999

Authored an ***American Association of University Women*** grant to create a website for technology related gender equity issues.

1996 and 1997

Co-authored a funded Project OWLink proposal to Southwestern Bell requesting monies to continue and extend a teledistance that included teacher training and curriculum development.

1995-1996

Obtained grant monies from ***Compaq Corporation*** to fund ***Project Constellation*** - a training grant for K-12 teachers at a Professional Development Laboratory School. The grant funded teacher training that enabled participants to infuse Internet technologies into classroom activities.