

Gurcharan S. Khanna

Profile

Experienced professional in the planning, development and delivery of advanced computing technologies to faculty, staff, and students in a service oriented academic environment. Leadership skills in strategic planning, communication, and problem solving. Special expertise in outreach, forging partnerships, and fostering collaborations

Education

Ph.D., Anthropology, University of California, Berkeley, May 1989

M.A., Anthropology, University of California, Berkeley, June 1982

B.A., Classical Civilization, Yale University, May 1980

Experience

Executive Director, Center for Computation and Visualization, Brown University, 2015-present

Responsible for the expansion of a seven member team supporting researchers scientists and a 7,000 core/500 TB cluster and 140,000,000 pixel virtual reality theater

Director of Research Computing, Rochester Institute of Technology, 2005-2015

Responsible for fostering research at RIT by creating a research computing group and providing the leadership, vision, and strategic planning for growth

- Created a research computing environment from scratch that supported over 100 active users with High Performance/High Throughput/Large Memory computers, High Performance research storage, High Speed networks on campus, and support for external supercomputer resources such as TeraGrid/XSEDE, Open Science Grid, SURAGrid, HPC2, and NYSgrid.
- Initiated a virtual RIT, the Global Collaboration Grid, connecting all RIT campuses and partners with an interactive, real-time multipoint infrastructure to support international collaboration
- Won a Cisco Research Grant of \$471,000 in 2007; additional grants from Microsoft, Sun, Apple

Associate Director for Research Computing, Dartmouth College, 1995-2004

Responsible for growing the research computing infrastructure and supporting researchers with advanced computing technologies

- Hired and supervised five full-time professionals including system administrators and programmers to support UNIX, statistics, mathematics, and bioinformatics
- Grew central systems from a single core computer to clusters totaling over 200 cores

Supervisor of UNIX Consulting, University of Southern California, 1992-1995

Supervised three full-time professionals and 21 students. Liaison to faculty and researchers in the college, and the engineering and medical schools. Managed integration of UNIX consultants into Leavey Digital Library

Adj. Asst. Professor, Geography Dept., University of Southern California, 1993-1995

Designed and taught courses on Geographic Information Systems. Created the department's first website

Lecturer, Department of Anthropology, University of California, Berkeley, 1989-1992

Designed and taught courses on relational database design, digital mapping, image databases, desktop publishing, UNIX, quantitative methods, and South Asian prehistory