

## KAREN K. KEMP

PhD Geography, University of California Santa Barbara

Independent Scholar, Island of Hawaii, Hawai'i

Senior Scientist, Kohala Center, Waimea, Hawaii

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Karen Kemp is the founding Director of the International Masters Program in GIS at the University of Redlands in southern California, having held that position and Professor of Geographic Information Science until December 2005. Dr. Kemp holds geography degrees from the University of Calgary, Alberta (BSc 1976), the University of Victoria, British Columbia (MA 1982) and the University of California Santa Barbara (PhD 1992). Before moving to the US in 1988, she taught Geography, Geology and Microcomputer Applications in the university transfer program at Malaspina College, in Nanaimo, British Columbia (now Vancouver Island University). In 1988 she joined the National Center for Geographic Information and Analysis (NCGIA) in Santa Barbara working as Coordinator of Education Programs and co-editor, with Dr. Michael Goodchild, of the internationally recognized *NCGIA Core Curriculum in GIS*. After completing her PhD at UCSB in 1992, she worked at the Technical University of Vienna, Austria, and with Longman GeoInformation in Cambridge, England on various international GIS education projects. She returned to the NCGIA in 1994 to work as Assistant Director and later Associate Director. In January 1999 she moved to the University of California Berkeley to become Executive Director of the Geographic Information Science Center where she helped build the foundation for an innovative campus-wide GIScience initiative. In September 2000, she was invited to join the faculty at the University of Redlands to create and direct their new MS GIS program.

Dr. Kemp has traveled widely to present workshops on GIS education and has published extensively on this topic. She was a founding member of the Board of Directors of the University Consortium for Geographic Information Science (UCGIS) and acted as senior editor of the UCGIS Education Priorities. She was also a founding member of the Board of Directors of the GIS Certification Institute (GISCI) and a member of the Editorial Team for the UCGIS GI Science and Technology Body of Knowledge Version 1. In recognition for these and other contributions, in October 2004 she was named Educator of the Year by the UCGIS.

In December 2005, Dr. Kemp stepped down as Director of the MS GIS Program at University of Redlands and is now living on the Big Island of Hawaii working as an Independent Scholar. There she is working with The Kohala Center on a vision for an Island-wide GIS infrastructure integrating Hawaiian and Western science for use by academic scientists, citizen scientists and students, and on the trail stewardship program for the Ala Kahaki National Historic Trail. She holds an Adjunct Professor position at the University of Hong Kong where she teaches annually in the Electronic Commerce/Internet Computing MSc program and at the University of Southern California where she teaches in the on-line MGIS program.

Her scientific research was initially focused on developing methods to improve the integration of environmental models with GIS from both the pedagogic and the scientific perspectives. It has gradually evolved to a focus on the methods for enhancing scientific knowledge with indigenous knowledge of the environment.