

Jack D. Fellows

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Education

Ph.D (1984), M.S. (1976), B.S. (1975) Civil Engineering, University of Maryland. Focus: hydrology, geographical information systems, and remote sensing

Professional Experience

1997-present. UCAR Vice President. Boulder, CO. The Vice President is responsible for a broad range of corporate activities, including development of corporate policies and programs, liaison with the Federal government, management of UCAR's consortium of over 100 national and international universities, and UCAR (<http://www.ucar.edu>) funding raising, advocacy, and communications activities. UCAR is a \$200M+ per year corporation with over 1,300 employees.

1997-present. Director of the UCAR Community Programs. Boulder, CO. The UCP Director (<http://www.uop.ucar.edu/uop/index.html>) is responsible for overseeing a broad range of scientific and educational programs that serve the atmospheric and related research and education community, including building digital libraries (DLESE and NSDL), providing real time data to over 160 universities via the internet (Unidata), training our nation's operational forecasters via distance learning and other media (COMET), and building a multinational constellation of six micro-satellites to measure critical weather, climate, and space weather parameters (COSMIC), helping children around the world learn how to take and analyze environmental measurement (GLOBE), providing administrative and research services to the atmospheric science community (JOSS). These are all research, education, or technology programs that the research and education community have asked UCAR to manage based on its excellent management background and capability. UCP is \$40M per year organization with over 400 employees.

2000-Dec 2004. Executive Director of Digital Library for Earth System Education program (<http://www.dlese.org>). Boulder, CO. DLESE is a grassroots, community-based effort involving teachers, students, and scientists working together to create a web-based library of educational resources and services to support Earth system science education, at all levels, in both formal and informal settings. DLESE is being created by five geographically separated core service centers (Program Center, Evaluations, Collections, Data, and Community). The Director is responsible to delivering an effective and operational library on behalf of the DLESE community. DLESE is \$40M+, five-year program involving thousands of teachers, students, and scientists.

Nov 2002-March 2004. Executive Director and Principal Investigator of GLOBE Program (<http://www.globe.gov>). Boulder, CO. GLOBE is a global education and science program that teaches children in more than 100 countries how to take and analyze environmental measurements, report that data over the internet, and use that data for learning opportunities and to address pressing local and global environmental challenges. The Director is responsible for (1) overall program leadership and direction, (2) ensuring that the Program meets the needs of the GLOBE community, (3) liaison with funding sponsors, and (4) seeking partners and contributors to enhance the long-term

financial sustainability of the Program. The Director must have a compelling vision for a global primary and secondary school education program that teaches children how science is done and, at the same time, produces high quality data for scientific research. GLOBE is a \$50M+, ten-year science and education program.

1984-1997. Branch Chief. Executive Office of the President, Washington DC. Spent 13 years overseeing the budget, programs, and policy issues related to the National Aeronautics and Space Administration, the National Science Foundation, and Federal-wide research and development programs (a portfolio of roughly \$110 billion dollars). Participated in the creation of the multi-billion a year U.S. Global Change Research Program.

1983-84. AGU Congressional Science Fellow. U.S. Congress Washington, D.C. Competitively selected to be the American Geophysical Union's congressional science fellows. Spent a year as a science consultant to members of Congress and congressional committees.

1981-83. Faculty Research Associate. University of Maryland. Taught civil engineering courses and conducted research in continental scale hydrologic modeling using remotely sensed data and geographical information systems.

1975-1986. Business. Owned and operated retail businesses while in graduate school with annual sales in excess of \$250,000. Sold in 1986.

Affiliations

- American Geophysical Union
- American Meteorological Society
- American Association for the Advancement of Science
- Tau Beta Pi (National Engineering Honors Society)
- Sigma Xi (Scientific Research Society)
- Chi Epsilon (National Civil Engineering Honors Society)

Publications: Author of 25 published or presented papers in water resources, remote sensing, geographical information systems, and science and space policy.

Awards

- 1997 Edward A. Flinn III Award of the American Geophysical Union awarded for “unselfish cooperation in research.”
- 1984 American Geophysical Union Congressional Science Fellowship

Personal Background. Married with four children. Interests include: surfing, snowboarding, cycling, hockey, and lacrosse