

BOARD MEMBER BIOGRAPHIES

MIKE FOLK, CO-FOUNDER, PRESIDENT

Dr. Folk is a co-founder, President, and Executive Director of The HDF Group. Dr. Folk led the HDF group at NCSA from its beginning in 1988 until July 2006, when the group became fully independent. Under Dr. Folk's leadership, HDF technologies have addressed scientific data management challenges facing individual scientists, institutions, and national and international projects. Dr. Folk's team engages in leading edge research and development, while at the same time providing robust, mission critical software in support of large programs such as NASA's Earth Observing System.

Through his work with HDF, Dr. Folk is heavily involved with data management issues in a broad range of scientific and engineering contexts, including NASA's Earth Observing System and the earth science community generally. He also helped lead the effort to provide a standard format to address data management needs of the Department of Energy's ASCI project, which involves data I/O, storage, and sharing among tera-scale computing platforms. Dr. Folk was also Co-PI for the netCDF 4 project, in which the next generation of netCDF will use HDF5 as its underlying format.

Before coming to NCSA, Dr. Folk taught computer science at the university level for 18 years. Dr. Folk earned his PhD in Computer Science from Syracuse University in 1974, an MAT in Mathematics Teaching from the University of Chicago in 1966, and a BS in Mathematics from the University of North Carolina, Chapel Hill, in 1964. Dr. Folk has also co-authored books and articles on scientific data management and file structures and participated in numerous workshops and committees focused on managing large and complex data.

QUINCEY KOZIOL, CO-FOUNDER, DIRECTOR OF TECHNOLOGY AND ARCHITECTURE

Quincey is a co-founder of The HDF Group and started with the HDF team in 1991, when it was still part of the National Center for Supercomputing Applications. He serves as the Director of Software Development, overseeing the design and architecture of the HDF5 software, as well as providing software engineering leadership.

Quincey received his Bachelor's degree in Electrical Engineering from the University of Illinois and is pursuing his Master's degree in Computer Science from the University of Illinois.

ELENA POURMAL, CO-FOUNDER, DIRECTOR OF TECHNICAL SERVICES AND OPERATIONS

Elena is a co-founder of The HDF Group and serves as Director of Technical Services and Operations, where she coordinates and monitors the development and release of software products and leads user support services and outreach activities. Her other responsibilities include proposal development and grants and contracts negotiation and administration. In addition, Ms. Pourmal develops and maintains HDF Fortran products and assesses technology innovation for The HDF Group.



Ms. Pourmal earned her Master of Science in Applied Mathematics from the Department of Mathematics at the University of Illinois in 1993 and a Master of Science in Mechanics from the Department of Theoretical and Applied Mechanics at the University of Illinois in 1997.

PETER CAO, CO-FOUNDER, MANAGER OF PROGRAMS AND TECHNICAL DEVELOPMENT

Peter is a co-founder of The HDF Group and serves as Manager of Programs and Technical Development, where he coordinates and monitors the scheduling, development, and technical performance of HDF Group programs. His responsibilities include proposal development and grants and contracts negotiation and administration. In addition, Dr. Cao develops new products and assesses technology innovation for The HDF Group.

Dr. Cao worked at NCSA as a software developer from 1996 until July 2006, where he served as the team lead for HDF tool development and the HDF-Java library. He has over ten years of experience working with HDF users. Dr. Cao has been the major developer on many critical projects.

Dr. Cao has diverse knowledge in computer science, mathematics, and environmental science. He earned his Ph.D. in Environmental Science from the University of Illinois in 2001 and a Master of Computer Science degree from the University of Illinois in 1996.

FRANK BAKER, CO-FOUNDER, SENIOR TECHNICAL EDITOR

Frank is a co-founder of The HDF Group, has been with the HDF team since 1998, and is responsible for the development and publication of product documentation. Before joining the HDF team, Frank worked as a technical writer at NCSA and in industry and as a contract writer and programmer. In an earlier career, Frank was a classroom teacher and public school administrator.

Frank earned a BS in Mathematics and Computer Science from the University of Illinois in 1971, a Master's in Elementary Education from the University of Massachusetts at Amherst in 1972, and a post-Master's Certification in School Administration from the University of Illinois in 1978.