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Kelvin K. Droegemeier earned a B.S. with Special Distinction in Meteorology in 1980 from the University of Oklahoma, and M.S. and Ph.D. degrees in atmospheric science in 1982 and 1985, respectively, from the University of Illinois at Urbana-Champaign under the direction of R. Wilhelmson. He joined the University of Oklahoma in September, 1985 as an Assistant Professor of Meteorology, and was tenured and promoted to Associate Professor in July, 1991, and promoted to Professor in July, 1998. Dr. Droegemeier was co-founder in 1989 of the NSF Science and Technology Center for Analysis and Prediction of Storms (CAPS), and served for several years as its deputy director. He then became the director of CAPS in 1994. In 1998, Dr. Droegemeier was named a Presidential Professor at the University of Oklahoma, and for 2 years, beginning in summer 1999, wrote a daily weather science column for the *Daily Oklahoman* newspaper, which is Oklahoma's largest.

In 1987, Dr. Droegemeier was named a Presidential Young Investigator by the National Science Foundation. As director of the CAPS model development project for 5 years, he managed the creation of a multi-scale numerical prediction system that has helped pioneer the science of storm-scale numerical forecasting. This computer model was a finalist for the 1993 National Gordon Bell Prize in High Performance Computing. In 1997, Dr. Droegemeier received the *Discover Magazine* Award for Technology Innovation (computer software category), and also in 1997 CAPS was awarded the *Computerworld* Smithsonian Award (science category). He helped create in 1999 Weather Decision Technologies, a private corporation that is commercializing advanced weather technology developed by the University of Oklahoma.

Dr. Droegemeier has been a major force behind the development and application of high performance computing systems both at OU and across the US. In 1989 and 1990, he chaired the OU Computing Advisory Committee and was the lead author on a 5-year strategic plan. He has served on numerous NSF High Performance Computing and Communication panels, and served for 4 years on the joint PSC/NCSA Allocations Peer Review Board. In 1995 he created as principal investigator, and now directs, a \$1.4 million NSF/OU project known as the Environmental Computing Applications System. He initiated and currently directs the Collaborative Radar Acquisition Field Test (CRAFT), which is a national project directed toward developing strategies for the real time delivery of NEXRAD radar data via the Internet. Also, he currently is a member of the National Science Foundation Blue Ribbon Panel on Cyberinfrastructure.

Dr. Droegemeier's research interests lie in thunderstorm dynamics and predictability, variational data assimilation, mesoscale dynamics, computational fluid dynamics, massively parallel computing, and aviation weather. He has served as an associate editor for *Monthly Weather Review*, and presently chairs the UCAR University Relations Committee. He has served as a consultant to Honeywell Corporation, American Airlines, the National Transportation Safety Board, and Climatological Consulting Corp, and has graduated 22 students and served on the committees of numerous others. Dr. Droegemeier presently serves on the Advisory Committee for the Geosciences Directorate of the National Science Foundation.

In his 16 years at the University of Oklahoma, Dr. Droegemeier has received numerous awards and has generated over \$28 million in external research funding. For over a decade, he has been among the top 5 faculty at the University of Oklahoma in external research grant funding, averaging over \$1.5 million per year. Dr. Droegemeier has been an invited speaker at or organizer of several international conferences and symposia on meteorology, high-performance computing, and computational fluid dynamics in the U.S., England, Japan, Australia, Korea, and France. He has authored and co-authored 46 refereed journal articles and over 200 conference publications., and is a former Vice President of the Central Oklahoma Chapters of the American Meteorological Society and National Weather Association.