

## Daniel S. McKenna



**Scientist and Group Leader, Computational Earth Sciences**

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Daniel S. McKenna was educated at the University of Glasgow, Scotland where he earned a 1<sup>st</sup> Class Honours degree in chemical physics with advanced mathematics in 1980. He was awarded his doctorate in theoretical chemistry in 1983 from the same institute, completing the experimental component at the University of Zuerich and the Swiss Institute for Nuclear Physics.

McKenna began his training in atmospheric science after joining the United Kingdom Meteorological Office in 1983, eventually assuming leadership of the Atmospheric Chemistry Group in 1990. During his time at the Met Office, McKenna participated in and assumed leadership roles in United Kingdom, European, and U.S. field campaigns including the first NASA-lead airborne polar campaigns to investigate the destruction of the ozone layer in 1987 and 1989 and the Met Office campaign to the Persian Gulf that made the first estimates of the environmental impacts caused by the oil well fire pollution at the end of the first Gulf War in 1991.

In 1994, McKenna moved to the Forschungszentrum Juelich (FZJ) in Germany as the founding director of the Institute for Stratospheric Chemistry (ICG) and as associate professor in the Department of Physical Chemistry of the University of Bonn where he taught courses in atmospheric physics and chemistry. As ICG director, McKenna developed an integrated program of instrument and model developments, field deployments and model analysis. During his tenure at FZJ, he served as program coordinator of the Ozone Research Program of the German Federal Ministry for Education and Research, and served on the International Ozone Commission. At the beginning of 2001, McKenna moved to the National Center for Atmospheric Research as director of the Atmospheric Chemistry Division where he was instrumental in the development of the Megacity Impact on the Regional and Global Environment and the Upper Troposphere and Lower Stratosphere programs. McKenna is currently serving as the group leader of the Computational Earth Sciences group in the Computer Science and Mathematics Division at ORNL.

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