

## **Biography: Hal Barton Maring, TC4 Program Scientist**

Dr. Hal Maring is one of the Program Scientists for the TC4 mission. The Program Scientist is the senior NASA scientific representative who has the responsibility for the scientific and operational planning to ensure the safety and success of this campaign, and assists the Mission and Platform Scientists in defining both general and specific scientific objectives of the campaign, and in selecting the aircraft instrument payloads and the measurement and analysis members of the Science Team.

Dr. Maring works at NASA Headquarters in Washington, DC and is a Program Scientist in Atmospheric Composition in the Earth Science Division of NASA's Science Mission Directorate. Prior to that, he was a Research Professor at the University of Miami, Miami, Florida. He received his Bachelor of Science degree in Atmospheric and Oceanic Science from the University of Michigan and has a PhD in Oceanography from the University of Rhode Island.

Dr. Maring's scientific expertise is in the study of transport and transformation of aerosols and dust in the atmosphere and the role they play in modulating the solar radiation that reaches the Earth. He has numerous scientific publications and is a member of the American Geophysical Union.