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Richard Rood is a Professor in the Department of Atmospheric, Oceanic and Space Sciences at the University of Michigan where he teaches atmospheric science and climate dynamics. In 2006 he initiated a cross-discipline graduate course, Climate Change: The Intersection of Science, Economics, and Policy, which has been expanded to address the broader issues of impacts and adaptation. As a member of the Senior Executive Service at NASA, he received recognition for his ability to lead both scientific and high performance computing activities. His scientific background is modeling tracer transport and chemistry in the atmosphere, and more recently, climate modeling. As Head of the Data Assimilation Office (now GMAO) from 1992-1998, he pioneered the expansion of the scope of data assimilation from numerical weather prediction applications to more generalized Earth science, e.g. climate and chemistry. He is an expert in the quantitative analysis of model simulations with observational information.

The students from his course on problem solving in climate change have come from eleven Departments. Rood's students from the business school, public policy and engineering have started a set of climate-related businesses or work in government, non-governmental organizations, and the private sector on climate change problem solving. Currently he sits on Ph. D. committees of students specializing in numerical modeling, aerosol-cloud interactions, fisheries, formation of stakeholder networks, and carbon markets. He directs a research activity on human health and excessive environmental heat, and is part of a team investigating water resources to support energy generation.

Richard Rood is a Fellow of American Meteorological Society and a winner of the World Meteorological Organization's Norbert Gerbier Award. He served on National Research Council's Board on Competitiveness of U.S. Climate Modeling (2000) and was the lead author High-End Climate Science: Development of Modeling and Related Computing Capabilities, written while detailed to the White House Office of Science and Technology Policy. Currently he serves on the Advisory Panel for the National Center for Atmosphere Research Community Climate System Model and for the Climate Research and Modeling Program at the National Oceanographic and Atmospheric Administration.

Currently he writes a regular blog on climate change for the popular web weather information provider Weather Underground. He also writes a blog for the American Meteorology Society on climate policy (climatepolicy.org).

His full resume can be found here.