

## **Dr. Christian Kummerow**

Professor  
Department of Atmospheric Science  
Colorado State University

### **RESEARCH EXPERIENCE:**

Atmospheric radiative transfer, remote sensing of hydrological parameters

### **EDUCATION:**

1982 – A.B; Physics, University of California, Berkeley  
1987 – Ph. D.; Atmospheric Physics, University of Minnesota

### **SPECIAL EXPERIENCE:**

1991 – Present: Science Steering Committee, Tropical Rainfall Measuring Mission  
1992 – 1994: TRMM Deputy Project Scientist for Science Data Systems  
1992 – 1997: Associate Editor, Journal of Atmospheric and Ocean Technology  
1994 – 1997: TRMM Deputy Project Scientist  
1995 – 1998: AMS Committee on Atmospheric Radiation  
1997 – 2000: TRMM Project Scientist  
2006—2009: Member of the GEWEX Radiation and Satellite Data Analysis Panel (GRP)

### **RECENT PUBLICATIONS:**

- Berg, Wesley, T. L'Ecuyer, and C. Kummerow, 2006: Rainfall climate regimes: the relationship of regional TRMM rainfall biases to the environment, *J. Appl. Meteor. & Climatol.*, **45**, 434—454.
- Kummerow, C., W. Berg, J. Thomas-Stahle, and H. Masunaga, 2006: Quantifying global uncertainties in a simple microwave rainfall algorithm, *J. Atmos. and Oceanic Tech.*, **23**, 23—37.
- Masunaga, H., and C. D. Kummerow, 2005: Combined radar and radiometer analysis of precipitation profiles for a parametric retrieval algorithm, *J. Atmos. Oceanic Techol.*, **22**, 906-926.
- Masunaga, H. and C. D. Kummerow, 2006: Observations of tropical precipitating clouds ranging from shallow to deep convective systems, *Geophys. Res. Letters*, **33**, L16805, doi:10.1029/2006GL026547.
- Nesbitt, S. W., E. Zipser, C. Kummerow, 2004: An examination of version-5 rainfall estimates from the TRMM microwave imager, precipitation radar and ran gauges on global, regional and storm scales, *J. Appl. Meteorol.*, **43**, 1016—1036.
- Rapp, A.D., C. Kummerow, W. Berg, and B. Griffith, 2005: An evaluation of the proposed mechanism of the adaptive infrared iris hypothesis using TRMM VIRS and PR measurements, *J. of Climate*, **18**, 4185—4194.