Curriculum Vitae

General Information

Name: Qingyuan Han

Job Title: Associate Professor

Affiliation: University of Alabama Huntsville (UAH), National Space Science & Technology Center (NSSTC)

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CV

a. Professional Preparation

B.A. in Meteorology, Peking University in Beijing China, 1980

M. S. in Atmospheric Science, Peking University in Beijing China, 1982

M. Ph. in Atmospheric Science, Columbia University in New York, 1990

Ph.D. in Atmospheric Science, Columbia University in New York, 1992

b. Professional Experience

Associate Professor, Department of Atmospheric Science, University of Alabama in Huntsville, 1997 –present

Associate Professor, Department of Meteorology, South Dakota School of Mines and Technology, 1996-1997.

Assistant Professor, Department of Meteorology, South Dakota School of Mines and Technology, 1992-1996.

c. Publications (first Author):

Han, Q., 2010: Comment on "Metrics to describe the dynamical evolution of atmospheric moisture: Intercomparison of model (NARR) and observations (ISCCP)" by Tao and Barro. *J. Geophys. Res.*, **115**, D14124, doi:10.1029/2009JD011984.

Han, Q., J.-L. Brenguier, K.-S. Kuo, and A. Naeger, 2009: A New IR Technique for Monitoring Low-Cloud Process Using Geostationary Satellite Data. *Atmos. Sci. Letts.*, **10**, 115-121**.**

Han, Q., J. Zeng, K.-S. Kuo, H. Chen, and E. Smith, 2005, Effect of particle size distributions on the retrieval of ice cloud properties, *Geophys. Res. Lett.*, **32**, L13818, doi:10.1029/2005GL022659.

Han, Q., W. B. Rossow, J. Zeng, and R. M. Welch, 2002: Three Different Behaviors of Liquid Water Path of Water Clouds in Aerosol–Cloud Interactions, *J. Atmos. Sci.*, 59, 726-735.

Han, Q., W. B. Rossow, J. Chou, and R. M. Welch, 2000: Near-global survey of cloud column susceptibility using ISCCP data. *Geophys. Res. Letts.* **27,** 3221-3224.

Han, Q. Y., W. B. Rossow, J. Chou, and R. M. Welch, 2000: ISCCP Data used to address a key IPCC climate issue: An approach for estimating the aerosol indirect effect globally. *GEWEX News*, **10**, 3-5.

Han, Q., W. B. Rossow, J. Chou, K. Kuo, and R. M. Welch, 1999: The Effects of aspect ratio and surface roughness on satellite retrievals of ice-cloud properties. *J. Quantitative Spectroscopy and Radiative Transfer*, **63**, 559-584.

Han, Q., W. B. Rossow, J. Chou, and R. M. Welch, 1998a: Global survey of the relationship of cloud albedo and liquid water path with droplet size using ISCCP. *J. Climate*, **11**, 1516-1528.

Han, Q., W. B. Rossow, J. Chou, and R. M. Welch, 1998b: Global Variation of Column Droplet Concentration in Low-level Clouds. *Geophys. Res. Letts.* **25**, 1419-1422.

Han, Q., J. Chou, R. M. Welch, 1997: Ice cloud microphysics and its temperature dependence retrieved from satellite data. *Proceedings of SPIE*, **3220,** 39-47.

Han, Q., W. Rossow, R. Welch, A. White, and J. Chou, 1995: Validation of satellite retrievals of cloud microphysics and liquid water path using observations from FIRE. *J. Atmos. Sci.*, 52, 4183-4195.

Han, Q., W. B. Rossow, and A. A. Lacis, 1994: Near-global survey of effective droplet radii in liquid water clouds using ISCCP data. *J. Climate*, **7**, 465-497.

d. On-going Courses
ESS 301, ESS 303, ATS 501, ATS 461/561, ATS 761

e. Award Received

2000 and 2002, Research Award by NASA

Areas of expertise

Atmospheric Science, Meteorology, Climate, Radiative Transfer, and Satellite Remote Sensing