

# 关于北卡州立大学张阳教授学术报告的通知

报告题目: Overview of Atmospheric/Earth System Modeling Program at NCSU

报告人: 张阳教授, 北卡州立大学 (NCSU)



报告时间: 2016 年 8 月 10 日 15:00-16:00 (星期三)

报告地点: 浙江大学农生环大楼 C216 会议室

**报告人简介:** Dr. Zhang is a Professor in the Department of Marine, Earth, and Atmospheric Sciences at North Carolina State University (NCSU), Raleigh, NC. Before joining NCSU in 2003, she worked as a research scientist at Pacific Northwest National Laboratory during 1994-1997 and Atmospheric & Environmental Research, Inc. (AER) during 1997-2003. She holds a Ph.D. degree in Chemical and Biochemical Engineering from the University of Iowa and a B.S. degree in Environmental Engineering from Tsinghua University, China. Her research interests include air pollution modeling and assessment, atmospheric chemistry and transport, cloud/aerosol chemistry and microphysics, sensitivity and uncertainty analysis, interactions among chemistry, meteorology, and climate change, and earth system modeling. She has led or contributed to the development/improvement, application, and evaluation of several major three-dimensional atmospheric models on urban, regional, and global scales including STEM III, GChM, MIRAGE, SCICHEM, CMAQ, CMAQ-MADRID, CAMx, MM5, WRF, and mesoscale and global-through-urban WRF/Chem and WRF/Chem-MADRID, WRF-CAM5, and CESM/CAM5. She authored or co-authored > 140 peer-reviewed journal publications, > 160 conference papers and technical reports, and > 400 conference presentations and invited seminars. The number of her publication citations from ISI Web of Sciences is >3700 and the h-index is 30. Dr. Zhang was a recipient of the U.S. National Science Foundation Career Award in Atmospheric Chemistry in 2004. She has been the Editor-in-Chief, Climate, since Feb., 2016. She is currently a member of the External Advisory Committee of the Community Modeling and Analysis System (CMAS) center, the University of North Carolina at Chapel Hill (UNC)/U.S. EPA.

**报告摘要:** Atmospheric/Earth system modeling research at North Carolina State University (NCSU) spans from urban air pollution to global Earth system. This seminar will highlight major research activities and recent progress for air quality, climate, and Earth system modeling at NCSU. Results from several global and regional models such as CESM/CAM5, WRF/Chem, and WRF-CAM5 will be used to demonstrate the current capabilities and major challenges of air quality, climate, and Earth system modeling. Future research opportunities and directions will also be discussed.

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2016 年 8 月 5 日