JIANGHAO WANG

3651 Trousdale Pkwy, ZHS 275
Los Angeles, CA 90089
(213)300-8504
jianghaw@usc.edu

EDUCATION

University of Southern California, Los Angeles, CA   Expected 2015
Department of Earth Sciences
Ph.D, Climate Science

Nankai University, Tianjin, China   2010
School of Mathematical Science
Bachelor of Science, Applied Mathematics

RESEARCH INTEREST

Paleoclimate data/model comparison;
Multivariate statistics, spatial-temporal uncertainty analysis;
Low-frequency climate variability at regional to global scales;
High-resolution paleoclimate proxies, multi-proxy climate reconstruction (in particular temperature).

RESEARCH EXPERIENCE

BGP Geophysical Research Institute, Beijing, China   August 2008
Interned in the department of Processing Center
- Learned the basic use of GISSYS
- Collected data of earlier prospection for interior analysis and research

University of Southern California, Los Angeles, CA   2010 - present
Research project with Professor Julien Emile-Geay
- Assess skill of different paleoclimate reconstruction methods
- Conduct proxy quality control experiment
- Perform multi-proxy temperature reconstruction over the Common Era

TEACHING EXPERIENCE

University of Southern California, Los Angeles, CA   2011 - 2012
Geol 150: *Climate Change,* Teaching Assistant

PUBLICATIONS

Wang, J., Emile-Geay, J., Guillot, D., Smerdon, J.E.: **Spatial Performance of Climate Field Reconstruction Techniques in a Realistic Pseudoproxy Context,** *in preparation*.

ACADEMIC PRESENTATIONS

American Geophysical Union, San Francisco, December 2011.
Spatial Performance of Climate Reconstruction Techniques in a Realistic Pseudoproxy Context (Poster)
American Geophysical Union, San Francisco, December 2012.
An updated pseudoproxy evaluation of four climate field reconstruction methods using improved emulations of real-world conditions (Poster)

PROFESSIONAL MEMBERSHIPS

Member of American Geophysical Union
Member of Chinese-American Oceanic and Atmospheric Association

TECHNICAL SKILLS

Programming: Microsoft C++, Matlab, R, and Python
Language:
Chinese (*native speaker*)
English: read, written, spoken (*fluent*)
German: read, written, spoken (*beginner*)