

Curriculum Vitae

Jige Guo

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Education

2007-present Institute of Marine and Coastal Sciences (IMCS)
Rutgers University

2004-2007 M.S., Institute of Atmospheric Physics (IAP),
Chinese Academy of Sciences (CAS)

2000-2004 B.S., Atmospheric Science, Yunnan University

Research Interests

My past work has dealt with surface and mid-depth global ocean currents derived from Argo data. We developed simple trajectory prediction models and applied Kalman Filter to them. Through this approach, we deduced currents, estimated errors and built a new currents dataset from 1997 to 2006.

I have always been curious about issues such as true condition of nature and why and how various phenomena occur so I feel happy to be in the field of oceanography.

Now I'm interested in projects which combine physical and chemical oceanography. I believe inter-disciplinary research is the way we should take in the natural science realm since this world is made of a whole with all kinds of things we need to understand. I am a utilitarian person so I'm easily attracted to projects which I think will benefit people's lives.

Research Papers

Jige Guo, Jiping Xie, Jiang Zhu, 2006. Estimation of the Surface and Mid-Depth Currents from Argo Floats and Error Analysis in the Pacific, The Collection of Argo Application Papers, Ocean Press, Beijing, China, 111-127.

Jige Guo, Shichang Guo, 2004. Variable Features of Solar Ultraviolet Radiation and its Relation to Clouds in Kunming

Academic Honors

06/2004 Outstanding Undergraduate Student, Yunnan University

10/2003 First Class National Scholarship, Ministry of Education of the People's Republic of China

10/2003 First Class Scholarship for Academic Excellence, Yunnan University
10/2002 First Class Scholarship for Academic Excellence, Yunnan University
10/2001 First Class Scholarship for Academic Excellence, Yunnan University

Teaching Experience

1. Tutored 5 high school students in mathematics, physics and English during college, all of whom improved greatly in their school work;
2. Served as a volunteer Sunday school teacher in 2005;
3. Served as advisor of 2 high school students for research training and for China Adolescents Science & Technology Innovation Contest (CASTIC) and won the second class prize.