

Robert L. Jacob - Curriculum Vitae

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Education: Ph.D. The University of Wisconsin-Madison
Atmospheric Science (Dec 17, 1997)
B.Sc. The University of Texas at Austin
Physics (May 19, 1990)
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Professional Experience:

July 2000 to present	Assistant Computational Scientist Mathematics and Computer Science Division Argonne National Laboratory
Aug 1999 to July 2000	Research Associate Department of the Geophysical Sciences The University of Chicago
Jan 1998 to Aug 1999	Research Associate Space Science and Engineering Center The University of Wisconsin-Madison
May 1992 to Dec 1997	Research Assistant Space Science and Engineering Center The University of Wisconsin-Madison
May 1990 to Aug 1991	Computer Programmer/Services Assistant Department of Physics, Center for Relativity University of Texas at Austin

Honors and Awards:

American Meteorological Society/Cray Research Graduate Fellowship, 1991
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Memberships:

American Geophysical Union

Publications:

- L. Wu, Z. Liu, R. Gallimore, R. Jacob, D. Lee, Y. Zhong, 2003: "Pacific Decadal Variability: The Tropical Mode and the North Pacific Mode", *J. Climate*, **16(8)**, 1101-1120.
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- R. Jacob, C. Schafer, I. Foster, M. Tobis and J. Anderson, 2001: "Computational Design and Performance of the Fast Ocean Atmosphere Model." *Proc. 2001 International Conference on Computational Science*, eds. V. N. Alexandrov, J. J. Dongarra, C. J. K. Tan, Springer-Verlag.
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- B. Benson, J. Magnuson, R. Jacob, S. Fuenger, 2000: "Response of lake ice breakup in the Northern Hemisphere to the 1976 interdecadal shift in the North Pacific" *Verh. Internat. Verein. Limnol.*, **27**, 2770-2774.
- Z. Liu, R. Jacob, J. Kutzbach, S. Harrison and J. Anderson, 1999: "Monsoon impact on El Nino in the Early Holocene", *PAGES* **7(2)**, 16-17
- M. Tobis, C. Schafer, I. Foster, R. Jacob and J. Anderson, 1997: "FOAM: Expanding the horizons of climate modeling", *Proceedings of SC97*, San Diego, CA, ACM/IEEE
- W. L. Hibbard, J. Anderson, I. Foster, B. E. Paul, R. Jacob, C. Schafer, M.K. Tyree, 1996: "Exploring coupled atmosphere-ocean models using Vis5D", *Int. J. of Supercomputer App. and High Performance Computing*, **10**, 211.
- Robert Jacob and John Anderson, 1992: "DIY massively parallel supercomputer does useful physics", *Computers in Physics*, **6**, 244.