

**William J. Gutowski, Jr.**  
**Iowa State University**  
**Ames, Iowa 50011-1010**

Email: [gutowski@iastate.edu](mailto:gutowski@iastate.edu)  
Telephone: (515) 294-5632  
Web: [www.ge-at.iastate.edu/gutowski.shtml](http://www.ge-at.iastate.edu/gutowski.shtml)

### **Degrees**

Yale University	Physics and Astronomy	B.S., 1976
MIT	Meteorology	Ph.D., 1984

### **Recent Professional Activity**

2000- present: Professor, Dept. of Geological and Atmospheric Sciences, Iowa State University  
Panel member, National Academy of Sciences/Transportation Research Board Study On Climate Change  
And U.S. Transportation (2005-2007)

Member, U.S. Climate Change Science Program (CCSP) Panels:

(a) Synthesis and Assessment Product 3.1 - Climate Models and Their Uses and Limitations:  
Climate Sensitivity, Feedbacks, and Uncertainties (Lead Author)

(b) Synthesis and Assessment Product 3.3 - Climate extremes including documentation of current  
extremes: Prospects for improving projections (Coordinating Lead Author)

Contributing author, Intergovernmental Panel on Climate Change, Third and Fourth Assessment Reports  
Editor, *Journal of Hydrometeorology*

### **Recent, Relevant Publications**

Gutowski Jr., W.J., K.A. Kozak, R.W. Arritt, J.H. Christensen, J. Patton, and E.S. Takle, 2007: A possible constraint on regional precipitation intensity changes under global warming. *J. Hydrometeor.* (accepted).

Gutowski, W. J., H. Wei, C. J. Vörösmarty and B. M. Fekete, 2007: Influence of Arctic Wetlands on Arctic Atmospheric Circulation. *J. Climate*, **20**, 4243–4254.

Lee, D.-K., W. J. Gutowski, H.-S. Kang and C.-J. Kim, 2007: Intercomparison of precipitation simulated by regional climate models over East Asia in 1997 and 1998. *Adv. Atmos. Sci.* (accepted).

Takle, E. S., J. Roads, B. Rockel, W. J. Gutowski, R. W. Arritt, I. Meinke, C. G. Jones and A. Zadra, 2007: Transferability intercomparison: An opportunity for new insight on the global water cycle and energy budget. *Bull. Amer. Meteor. Soc.* **88**, 375-384 [DOI:10.1175/BAMS-88-3-375].

Afiesimama, E.A., J. Pal, B.J. Abiodun, W.J. Gutowski and A. Adedoyin, 2006: Simulation of West Africa monsoon using the RegCM3. Part I: Model validation and interannual variability. *Theor. Appl. Clim.*, **86**, 23-37 (DOI: 10.1007/s00704-005-0202-8).

Duffy, P. B., R. W. Arritt, J. Coquard, W. J. Gutowski, J. Han, J. Iorio, J. Kim, L.-R. Leung, J. Roads

and E. Zeledon, 2006. Simulations of present and future climates in the western U.S. with four nested regional climate models, *J. Climate*, **19**, 873-895 (doi: 10.1175/JCLI3669.1).

Hay, L. E., M. P. Clark, M. Pagowski, G. H. Leavesley, G. A. Grell, and W. J. Gutowski, Jr., 2006: One-way coupling of an atmospheric and a hydrologic model in Colorado. *J. Hydrometeor.*, **7**, 569-589.