



**AWARDS**

2010	International Meetings on Statistical Climatology Achievement Award
2007	UCAR Special Recognition Award
2001	Fellow, American Meteorological Society
1987, 88, 92, 97	Nominee, NCAR Outstanding Publications Award
1979	NASA (Johnson Space Center) Group Achievement Award
1975	NOAA Environmental Data Service Special Achievement Award

**EDITORIAL/REVIEW SERVICE**

2011 – present	Contributing Editor, <i>Climate Research</i>
2009 – present	Editorial Board, <i>Advances in Water Resources</i>
1985 – present	Editorial Board, <i>Climatic Change</i> (Associate Deputy Editor, 2011 – present)
1997 – present	Editorial Board, <i>Extremes</i> (Co-Editor: Special issue on “Statistics of Extremes in Weather and Climate,” V. 13, No. 2, June 2010)
2004 – 2009	Associate Editor, <i>Water Resources Research</i>
2001, 2002, 2005	Member, NSF Proposal Review Panel on Biocomplexity in the Environment: Dynamics of Coupled Natural and Human Systems
2000	Member, NSF/EPA Proposal Review Panel on Environmental Statistics
1977 – 1997	Editorial Collaborator and Contributing Editor, <i>Current Index to Statistics</i>
1985 – 1987	Editor, <i>Network Newsletter</i>

**CONFERENCES/WORKSHOPS ORGANIZED**

6 – 24 June 2011	Organizer, NCAR Colloquium on Statistical Assessment of Extreme Weather Phenomena under Climate Change, Boulder, CO
20 – 24 Jan 2008	Program Chair, AMS 19th Conference on Probability and Statistics in Atmospheric Sciences, New Orleans, LA
3 – 5 Jan 2007	Co-Organizer, Workshop on Frameworks for Integration of Atmospheric-Oceanic Science with Operational Decision-Making, Monterey, CA
29 Jan – 2 Feb 2006	Program Co-Chair, AMS 18th Conference on PSAS, Atlanta, GA
11 – 15 Jan 2004	Program Co-Chair, AMS 17th Conference on PSAS, Seattle, WA
18 – 24 July 1998	Co-Organizer, NCAR Colloquium on Statistics for Understanding the Atmosphere and Ocean, Boulder, CO
6 – 19 July 1994	Co-Organizer, NCAR Colloquium on Application of Statistics to Modeling the Earth's Climate System, Boulder, CO
16 – 18 Nov 1983	Program Chair, AMS 9th Conference on PSAS, Hot Springs, AR

**OTHER COMMUNITY SERVICE**

2011	– present	Member, Working Group on Science of Climate Change, US National Climate Assessment Development and Advisory Committee
2006	– present	Member, External Engineering and Science Advisory Board, Center for Collaborative Adaptive Sensing of the Atmosphere (CASA)
2012	– 2013	Member, Working Group on Extremes, US Climate Variability and Predictability Research Program (CLIVAR)
2011	– 2013	Member, American Statistical Association Advisory Committee on Climate Change Policy (Chair, 2013)
2001	– 2012	AMS Committee on Probability and Statistics (Member, 2001–2006; Chair, 2006–2009; Ex Officio Member, 2009–2012)
2007	– 2008	Chair, Drafting Team, AMS Information Statement on probability forecasts
2005	– 2007	Contributing Author, Chapter 11, WG I, IPCC 4th Assessment Report
2002	– 2004	Secretary, The International Environmetrics Society (TIES)
1999	– 2002	Regional Representative (North America), Board of Directors, TIES
1999	– 2000	Contributing Author, Chapters 10 & 13, WG I, IPCC 3rd Assessment Report
1994	– 1995	Contributing Author, Chapter 3, WG I, IPCC 2nd Assessment Report
1989	– 1990	Contributing Author, Chapter 8, WG I, IPCC 1st Assessment Report
1981	– 1984	AMS Committee on Probability and Statistics (Member 1981–82, Chair 1982–83, Ex Officio Member 1984)
1978	– 1979	Secretary, Colorado-Wyoming Chapter, American Statistical Association
1977	– 1979	Adjunct Professor, Dept. of Economics, Univ. of Colorado, Boulder, CO

**SERVICE TO NCAR**

2009	– 2011	Member, NCAR Appointments Review Group (also 1998–2002)
2007	– present	Member, IMAGE Council
1995	– present	Member, NCAR book selection committee
2000	– 2006	Member, Executive Committee, NCAR Scientists Assembly (Chair, 2005–06)
2005		Co-Chair, Proposal Review Committee, NCAR Directors Opportunity Fund
1993	– 1995	Member, NCAR Director's Office Divisional Equity Committee

**TEACHING/EDUCATIONAL SERVICE**

10/09	Statistics of extremes in climate change, Short Course, Univ. Buenos Aires, Argentina
1/09	Tutorial on Extremes Toolkit, AMS Short Course on Statistics of Extreme Events, Phoenix, AZ
11/08	Statistics of extremes in climate change, Short Course, Michigan State Univ.
6/07	Uncertainty, optimal use, and economic value of weather forecasts, COMET course on Mesoscale Analysis and Prediction, UCAR, Boulder, CO
5/07	Statistics of extremes in climate change, CSIRO Short Course, Melbourne, Australia

- 1/05 Application of probabilistic forecasts: Decision making with forecast uncertainty, AMS Short Course on Probabilistic Forecasting, San Diego, CA
- 7/04 Tutorial on Extremes Toolkit, NCAR Summer Colloquium on Climate and Health
- 1/04 Introduction to significance testing, AMS Short Course on Significance Testing, Model Evaluation, and Alternatives, Seattle, WA
- 10/03 Statistical methods for weather and climate forecasting and decision making, Univ. Innsbruck, Austria
- 5/03 Stochastic modeling of environmental time series, Swiss Federal Institute of Technology
- 1/02 Economic value of climate forecasts, AMS Short Course on Verification of Climate Forecasts, Orlando, FL
- 1990 Applied statistics, Univ. of California, Davis
- 7/86 WMO Training Workshop on Modern Statistical Methods for Climate Data Applications, Nairobi, Kenya
- 1979 – 83 Principles of statistics, regression analysis, statistical meteorology, Oregon St. Univ.

### PH.D. COMMITTEES

- 2006 Marta Nogaj, Université Paris-Sud XI, France (*rapporteur & member*)
- 2005 Daniel Cooley, Dept. Applied Mathematics, Univ. Colorado (*member*)
- 1996 John Sansom, Inst. Statistics & Operations Research, Victoria Univ., Wellington, New Zealand (*external examiner*)
- 1979 John Snyder, Dept. Economics, Univ. Colorado (*member*)

### INTERNS/STUDENT VISITORS

- 2010 Anne Sabourin, Laboratoire des Sciences du Climat et l'Environnement, Paris, France
- 2009 Ulf Cormann, University of Siegen, Germany
- 2008 Jana Sillmann, Max Planck Institute for Meteorology, Hamburg, Germany
- 2007 – 8 Marcus Walter, Dept. Meteorology, Pennsylvania State Univ. (*SOARS*)
- 2007 – 8 John Henry, Dept. Statistics, Oregon State Univ.
- 2006 Bret Harper, Energy & Resources Group, Univ. California, Berkeley (*SOARS*)
- 2004 Matt Coleman, Dept. Meteorology, Pennsylvania State Univ. (*SOARS*)
- 1998 Shelly Knight, Dept. Geography, Univ. of Colorado
- 1995 Leslea Davison, Dept. Statistics, Rice Univ.

### WEB SITES

Economic Value of Weather and Climate Forecasts: [www.isse.ucar.edu/staff/katz/esig.html](http://www.isse.ucar.edu/staff/katz/esig.html)  
 Statistics of Weather and Climate Extremes: [www.isse.ucar.edu/extremevalues/extreme.html](http://www.isse.ucar.edu/extremevalues/extreme.html)

**GRANTS**

- 9/12 – 8/16 Integration of water quality into sustainable water management under extreme climate events, *NSF/WSC* [collaborator] (*pending*)
- 7/12 – 6/15 From farm management to governance of landscapes: Climate, water and land use decisions in the Argentine Pampas, *NSF/CNH* [collaborator] (*pending*)
- 10/11 – 9/16 Network on statistical methods in atmospheric and oceanic sciences, *NSF/DMS* [collaborator]
- 5/11 – 4/14 Assessing high-impact weather response to climate variability and change utilizing extreme value theory, *NSF/EaSM* [collaborator]
- 5/11 – 4/14 Integration of decadal climate predictions, ecological models and human decision-making models to support climate-resilient agriculture in the Argentine Pampas, *NSF/EaSM* [co-PI]
- 9/07 – 8/12 Interactions between changing climate and technological innovations in agricultural decision-making: Implications for land use and sustainability of production systems, *NSF/CNH* [co-PI]
- 6/05 – 9/06 Multivariate dependence in climate extremes, *ORNL* [co-PI]
- 9/04 – 2/10 Understanding and modeling the scope of adaptive management in agroecosystems in the Pampas in response to interannual and decadal climate variability and other risk factors, *NSF/BE-CNH* [co-PI]
- 7/04 – 6/08 A statistics program at NCAR, *NSF/DMS* [co-PI]
- 7/99 – 6/04 Geophysical Statistics Program at the National Center for Atmospheric Research, *NSF/DMS* [PI]
- 1/97 – 12/01 Sensitivity analysis of the effect of changes in mean and variability of climate on crop production and regional economics in the southeastern U.S.: An integration of stochastic, climate, crop and economic modeling, *EPA* [co-I]
- 1/97 – 12/99 Analysis of the effect of changing climate variability on crop production in the Southeast: An integration of stochastic modeling, regional climate modeling, crop modeling and remote sensing techniques, *NASA* [co-I]
- 7/93 – 7/99 Collaboration between statistical and atmospheric sciences on modeling the climate system, *NSF/DMS* [PI]
- 9/95 – 9/98 Vegetation response to mesoscale climate variability in the mountainous West, *NSF/SBES* [co-I]
- 1/92 – 12/93 Precipitation variability and extreme events: Implications for climate models and climate change, *NOAA/OGP* [PI]
- 4/89 – 4/92 Methods for analyzing extreme events with application to scenario development for climate impact assessment, *EPA* [PI]
- 10/87 – 4/91 Studies of the optimal use and economic value of weather and climate information, *NSF/ATM* [co-PI]
- 10/86 – 9/89 Identifying and coping with extreme meteorological events, *NSF (U.S.-Eastern Europe Cooperative Science Program)* [co-PI]
- 4/85 – 9/87 Use of static and dynamic decision-making models to describe quality/value relationships for weather and climate information, *NSF/ATM* [co-PI]
- 9/82 – 12/86 Case studies of the economic value of monthly and seasonal climate forecasts, *NOAA* [co-PI]

- 10/82 – 7/85      Use of decision-making models to describe quality/value relationships for weather and climate information, *NSF/ATM* [co-PI]
- 7/80 – 12/82      Dynamic decision-making models for assessing the value of weather and climate information, *NSF/ATM* [co-PI]

## ARTICLES IN JOURNALS

- Peterson, T.C. et al. (27 others including R.W. Katz), 2012: Monitoring and understanding changes in heat waves, cold waves, floods and droughts in the United States: State of knowledge. *Bulletin of the American Meteorological Society* (submitted).
- Kunkel, K.E. et al. (24 others including R.W. Katz), 2012: Monitoring and understanding trends in extreme storms: State of knowledge. *Bulletin of the American Meteorological Society* (conditionally accepted).
- Kim, Y., R.W. Katz, B. Rajagopalan, G.P. Podestá, and E.M. Furrer, 2012: Reducing overdispersion in stochastic weather generators using a generalized linear modeling approach. *Climate Research*, **53**, 13–24.
- Kleiber, W., R.W. Katz, and B. Rajagopalan, 2012: Daily spatiotemporal precipitation simulation using latent and transformed Gaussian processes. *Water Resources Research*, **48**, W01523, doi:10.1029/2011WR011105.
- Sillmann, J., M. Croci-Maspoli, M. Kallache, and R.W. Katz, 2011: Extreme cold winter temperatures in Europe under the influence of North Atlantic atmospheric blocking. *Journal of Climate*, **24**, 5899–5913.
- Gilleland, E., and R.W. Katz, 2011: A new software to analyze how extremes change over time. *Eos*, **92**, 13–14.
- Towler, E., B. Rajagopalan, E. Gilleland, R.S. Summers, D. Yates, and R.W. Katz, 2010: Modeling hydrologic and water quality extremes in a changing climate: a statistical approach based on extreme value theory. *Water Resources Research*, **46**, W11504, doi:10.1029/2009WR008876.
- Furrer, E.M., R.W. Katz, M.D. Walter, and R. Furrer, 2010: Statistical modeling of hot spells and heat waves. *Climate Research*, **43**, 191–205.
- Katz, R.W., 2010: Statistics of extremes in climate change. *Climatic Change*, **100**, 71–76.
- Podestá, G., F. Bert, B. Rajagopalan, S. Apipattanavis, C. Laciana, E. Weber, W. Easterling, R. Katz, D. Letson, and A. Menendez, 2009: Decadal climate variability in the Argentine Pampas: regional impacts of plausible climate scenarios on agricultural systems. *Climate Research*, **40**, 199–210.
- Letson, D., C.E. Laciana, F.E. Bert, E.U. Weber, R.W. Katz, X.I. Gonzalez, and G.P. Podestá, 2009: Value of perfect ENSO phase predictions for agriculture: evaluating the impact of land tenure and decision objectives. *Climatic Change*, **97**, 145–170.
- Furrer, E.M., and R.W. Katz, 2008: Improving the simulation of extreme precipitation events by stochastic weather generators. *Water Resources Research*, **44**, W12439, doi:10.1029/2008WR007316.
- Zheng, X., and R.W. Katz, 2008: Simulation of spatial dependence in daily rainfall using multisite generators. *Water Resources Research*, **44**, W09403, doi:10.1029/2007WR006399.

- Zheng, X., and R.W. Katz, 2008: Mixture model of generalized chain-dependent processes and its application to simulation of interannual variability of daily rainfall. *Journal of Hydrology*, **349**, 191–199.
- Apipattanavis, S., G. Podestá, B. Rajagopalan, and R.W. Katz, 2007: A semiparametric multivariate and multisite weather generator. *Water Resources Research*, **43**, W11401, doi:10.1029/2006WR005714.
- Harper, B.R., R.W. Katz, and R.C. Harriss, 2007: Statistical methods for quantifying the effect of the El Niño–Southern Oscillation on wind power in the northern Great Plains of the United States. *Wind Engineering*, **31**, 123–137.
- Furrer, E.M., and R.W. Katz, 2007: Generalized linear modeling approach to stochastic weather generators. *Climate Research*, **34**, 129–144.
- Katz, R.W., and M. Ehrendorfer, 2006: Bayesian approach to decision making using ensemble weather forecasts. *Weather and Forecasting*, **21**, 220–231.
- Katz, R.W., G.S. Brush, and M.B. Parlange, 2005: Statistics of extremes: Modeling ecological disturbances. *Ecology*, **86**, 1124–1134.
- Katz, R.W., M.B. Parlange, and C. Tebaldi, 2003: Stochastic modeling of the effects of large-scale circulation on daily weather in the southeastern U.S. *Climatic Change*, **60**, 189–216.
- Katz, R.W., M.B. Parlange, and P. Naveau, 2002: Statistics of extremes in hydrology. *Advances in Water Resources*, **25**, 1287–1304.
- Katz, R.W., 2002: Stochastic modeling of hurricane damage. *Journal of Applied Meteorology*, **41**, 754–762.
- Katz, R.W., 2002: Sir Gilbert Walker and a connection between El Niño and statistics. *Statistical Science*, **17**, 97–112.
- Katz, R.W., 2002: Techniques for estimating uncertainty in climate change scenarios and impact studies. *Climate Research*, **20**, 167–185.
- Sontakke, N.A., D.J. Shea, R.A. Madden, and R.W. Katz, 2001: Potential for long-range regional precipitation prediction over India. *Mausam*, **52**, 47–56.
- Parlange, M.B., and R.W. Katz, 2000: An extended version of the Richardson model for simulating daily weather variables. *Journal of Applied Meteorology*, **39**, 610–622.
- Katz, R.W., 1999: Extreme value theory for precipitation: Sensitivity analysis for climate change. *Advances in Water Resources*, **23**, 133–139.
- Katz, R.W., and X. Zheng, 1999: Mixture model for overdispersion of precipitation. *Journal of Climate*, **12**, 2528–2537.
- Katz, R.W., 1999: Moments of power transformed time series. *Environmetrics*, **10**, 301–307.
- Madden, R.A., D.J. Shea, R.W. Katz, and J.W. Kidson, 1999: The potential long-range predictability of precipitation over New Zealand. *International Journal of Climatology*, **19**, 405–421.
- Kiely, G., J.D. Albertson, M.B. Parlange, and R.W. Katz, 1998: Conditioning stochastic properties of daily precipitation on indices of atmospheric circulation. *Meteorological Applications*, **5**, 75–87.
- Katz, R.W., and M.B. Parlange, 1998: Overdispersion phenomenon in stochastic modeling of precipitation. *Journal of Climate*, **11**, 591–601.
- Katz, R.W., and M.B. Parlange, 1996: Mixtures of stochastic processes: Application to statistical downscaling. *Climate Research*, **7**, 185–193.
- Katz, R.W., 1996: Use of conditional stochastic models to generate climate change scenarios. *Climatic Change*, **32**, 237–255.

- Tarleton, L.F., and R.W. Katz, 1995: Statistical explanation for trends in extreme summer temperatures at Phoenix, Arizona. *Journal of Climate*, **8**, 1704–1708.
- Katz, R.W., and M.B. Parlange, 1995: Generalizations of chain-dependent processes: Application to hourly precipitation. *Water Resources Research*, **31**, 1331–1341.
- Chu, P.-S., R.W. Katz, and P. Ding, 1995: Modelling and forecasting seasonal precipitation in Florida: A vector time-domain approach. *International Journal of Climatology*, **15**, 53–64.
- Brown, B.G., and R.W. Katz, 1995: Regional analysis of temperature extremes: Spatial analog for climate change? *Journal of Climate*, **8**, 108–119.
- Katz, R.W., and B.G. Brown, 1994: Sensitivity of extreme events to climate change: The case of autocorrelated time series. *Environmetrics*, **5**, 451–462.
- Katz, R.W., and J. Garrido, 1994: Sensitivity analysis of extreme precipitation events. *International Journal of Climatology*, **14**, 985–999.
- Downton, M.W., and R.W. Katz, 1993: A test for inhomogeneous variance in time-averaged temperature data. *Journal of Climate*, **6**, 2448–2464.
- Katz, R.W., 1993: Towards a statistical paradigm for climate change. *Climate Research*, **2**, 167–175.
- Katz, R.W., and M.B. Parlange, 1993: Effects of an index of atmospheric circulation on stochastic properties of precipitation. *Water Resources Research*, **29**, 2335–2344.
- Katz, R.W., 1993: Dynamic cost–loss ratio decision-making model with an autocorrelated climate variable. *Journal of Climate*, **6**, 151–160.
- Katz, R.W., 1992: Role of statistics in the validation of general circulation models. *Climate Research*, **2**, 35–45.
- Katz, R.W., and B.G. Brown, 1992: Extreme events in a changing climate: Variability is more important than averages. *Climatic Change*, **21**, 289–302.
- Katz, R.W., and B.G. Brown, 1991: The problem of multiplicity in research on teleconnections. *International Journal of Climatology*, **11**, 505–513.
- Katz, R.W., and A.H. Murphy, 1990: Quality/value relationships for imperfect weather forecasts in a prototype multistage decision-making model. *Journal of Forecasting*, **9**, 75–86 [with correspondence, **11**, 86–88 (1992)].
- Faragó, T., I. Dobi, R.W. Katz, and I. Matyasovszky, 1989: Meteorological application of extreme value theory: Problems of finite, dependent and non-homogeneous samples. *Időjárás*, **93**, 261–275.
- Katz, R.W., 1989: Statistics and decision making for extreme meteorological events. *Időjárás*, **93**, 23–35.
- Chu, P.-S., and R.W. Katz, 1989: Spectral estimation from time series models with relevance to the Southern Oscillation. *Journal of Climate*, **2**, 86–90.
- Katz, R.W., 1988: Statistical procedures for making inferences about climate variability. *Journal of Climate*, **1**, 1057–1064.
- Katz, R.W., 1988: Use of cross correlations in the search for teleconnections. *Journal of Climatology*, **8**, 241–253.
- Katz, R.W., B.G. Brown, and A.H. Murphy, 1987: Decision-analytic assessment of the economic value of weather forecasts: The fallowing/planting problem. *Journal of Forecasting*, **6**, 77–89.
- Katz, R.W., and A.H. Murphy, 1987: Quality/value relationship for imperfect information in the umbrella problem. *American Statistician*, **41**, 187–189.
- Chu, P.-S., and R.W. Katz, 1987: Measures of predictability with applications to the Southern Oscillation. *Monthly Weather Review*, **115**, 1542–1549.

- Brown, B.G., R.W. Katz, and A.H. Murphy, 1986: On the economic value of seasonal-precipitation forecasts: The fallowing/planting problem. *Bulletin of the American Meteorological Society*, **67**, 833–841.
- Katz, R.W., and M.H. Glantz, 1986: Anatomy of a rainfall index. *Monthly Weather Review*, **114**, 764–771.
- Glantz, M.H., and R.W. Katz, 1985: Drought as a constraint to development in Sub-Saharan Africa. *Ambio*, **XIV**, 334–339.
- Chu, P.-S., and R.W. Katz, 1985: Modeling and forecasting the Southern Oscillation: A time-domain approach. *Monthly Weather Review*, **113**, 1876–1888.
- Murphy, A.H., R.W. Katz, R.L. Winkler, and W.-R. Hsu, 1985: Repetitive decision making and the value of forecasts in the cost–loss ratio situation: A dynamic model. *Monthly Weather Review*, **113**, 801–813.
- Brown, B.G., R.W. Katz, and A.H. Murphy, 1985: Exploratory analysis of precipitation events with implications for stochastic modeling. *Journal of Climate and Applied Meteorology*, **24**, 57–67.
- Mearns, L.O., R.W. Katz, and S.H. Schneider, 1984: Extreme high-temperature events: Changes in their probabilities with changes in mean temperature. *Journal of Climate and Applied Meteorology*, **23**, 1601–1613 [with correspondence, **24**, 1280 (1985)].
- Adams, R.M., T.D. Crocker, and R.W. Katz, 1984: Assessing the adequacy of natural science information: A Bayesian approach. *The Review of Economics and Statistics*, **LXVI**, 568–575.
- Brown, B.G., R.W. Katz, and A.H. Murphy, 1984: Time series models to simulate and forecast wind speed and wind power. *Journal of Climate and Applied Meteorology*, **23**, 1184–1195.
- Stewart, T.R., R.W. Katz, and A.H. Murphy, 1984: Value of weather information: A descriptive study of the fruit-frost problem. *Bulletin of the American Meteorological Society*, **65**, 126–137.
- Katz, R.W., 1983: Statistical procedures for making inferences about precipitation changes simulated by an atmospheric general circulation model. *Journal of the Atmospheric Sciences*, **40**, 2193–2201.
- Winkler, R.L., A.H. Murphy, and R.W. Katz, 1983: The value of climate information: A decision-analytic approach. *Journal of Climatology*, **3**, 187–197.
- Katz, R.W., 1982: Statistical evaluation of climate experiments with general circulation models: A parametric time series modeling approach. *Journal of the Atmospheric Sciences*, **39**, 1446–1455.
- Katz, R.W., A.H. Murphy, and R.L. Winkler, 1982: Assessing the value of frost forecasts to orchardists: A dynamic decision-making approach. *Journal of Applied Meteorology*, **21**, 518–531.
- Katz, R.W., 1981: On some criteria for estimating the order of a Markov chain. *Technometrics*, **23**, 243–249.
- Katz, R.W., and R.R. Garcia, 1981: Statistical relationships between hailfall and damage to wheat. *Agricultural Meteorology*, **24**, 29–43.
- Katz, R.W., and R.H. Skaggs, 1981: On the use of autoregressive-moving average processes to model meteorological time series. *Monthly Weather Review*, **109**, 479–484.
- Katz, R.W., 1979: Parsimony in modeling daily precipitation. *Water Resources Research*, **15**, 1628–1630.
- Katz, R.W., 1979: Sensitivity analysis of statistical crop-weather models. *Agricultural Meteorology*, **20**, 291–300.
- Katz, R.W., and M.H. Glantz, 1979: Weather modification for food production: Panacea or placebo? *Journal of Soil and Water Conservation*, **34**, 132–134.

- Katz, R.W., 1978: Persistence of subtropical African droughts. *Monthly Weather Review*, **106**, 1017–1021.
- Katz, R.W., 1977: An application of chain-dependent processes to meteorology. *Journal of Applied Probability*, **14**, 598–603.
- Katz, R.W., 1977: Precipitation as a chain-dependent process. *Journal of Applied Meteorology*, **16**, 671–676.
- Glantz, M.H., and R.W. Katz, 1977: When is a drought a drought? *Nature*, **267**, 192–193 [with correspondence, **271**, 7 (1978)].
- Katz, R.W., 1977: Assessing the impact of climatic change on food production. *Climatic Change*, **1**, 85–96.
- Katz, R.W., 1974: Computing probabilities associated with the Markov chain model for precipitation. *Journal of Applied Meteorology*, **13**, 953–954.

## COMMENTS/EDITORIALS

- Katz, R.W., 2010: Discussion on “Predicting losses of residential structures in the state of Florida by the public hurricane loss evaluation model” by S. Hamid et al. *Statistical Methodology*, **7**, 592–595.
- Katz, R.W., and P. Naveau, 2010: Editorial: special issue on statistics of extremes in weather and climate. *Extremes*, **13**, 107–108.
- Katz, R.W., 2006: Discussion of “Bayesian palaeoclimate reconstruction” by J. Haslett et al. *Journal of the Royal Statistical Society, Series A*, **169**, 434.
- Katz, R.W., 2004: A knight to remember. Letter to Editor on review by D. Teresi of *Extreme Measures: The Dark Visions and Bright Ideas of Francis Galton* by M. Brookes. *New York Times Book Review*, **CIX** (46), p. 6.
- Katz, R.W., 1995: Comments on “Binomial and negative binomial analogues under correlated Bernoulli trials” by R. Viveros *et al.* (with reply). *American Statistician*, **49**, 325–326.
- Katz, R.W., 1989: Discussion of “Space-time modelling with long-memory dependence: Assessing Ireland’s wind power resource” by J. Haslett and A.E. Raftery. *Applied Statistics*, **38**, 35.
- Katz, R.W., 1984: Discussion of “A model fitting analysis of daily rainfall data” by R.D. Stern and R. Coe. *Journal of the Royal Statistical Society, Series A*, **147**, 29.

## BOOKS

- Gilleland, E., R.W. Katz, and P. Naveau, 2012: *Statistical Analysis for Extreme Weather and Climate Studies with R*. Springer, New York, NY (in preparation).
- Katz, R.W., and A.H. Murphy (eds.), 1997: *Economic Value of Weather and Climate Forecasts*. Cambridge Univ. Press, Cambridge, U.K., 237 pp.
- Glantz, M.H., R.W. Katz, and N. Nicholls (eds.), 1991: *Teleconnections Linking Worldwide Climate Anomalies: Scientific Basis and Societal Impact*. Cambridge Univ. Press, Cambridge, U.K., 535 pp.
- Murphy, A.H., and R.W. Katz (eds.), 1985: *Probability, Statistics, and Decision Making in the Atmospheric Sciences*. Westview Press, Boulder, CO, 547 pp.

## CHAPTERS IN BOOKS/OTHER CONTRIBUTIONS

- Katz, R.W., 2012: Economic impact of extreme events: An approach based on extreme value theory. In *Extreme Events: Observations, Modeling and Economics*, M. Ghil, J. Urrutia-Fucugauchi, and M. Chavez (eds.), Geophysical Monograph Series, American Geophysical Union (submitted).
- Katz, R.W., 2012: Statistical methods for nonstationary extremes. In *Hydrologic Extremes in a Changing Climate: Detection, Analysis and Uncertainty*, S. Sorooshian, D. Easterling, A. AghaKouchak, S. Schubert, and K. Hsu (eds.), Springer (accepted).
- Katz, R.W., 2012: Hydrological extremes. In *Encyclopedia of Environmetrics*, Second Edition, A.H. El-Shaarawi and W.W. Piegorsch (eds.), Wiley, Chichester, U.K. (in press).
- Katz, R.W., 2012: Extremal events. In *Encyclopedia of Environmetrics*, Second Edition, A.H. El-Shaarawi and W.W. Piegorsch (eds.), Wiley, Chichester, U.K. (in press).
- Katz, R.W., and J.K. Lazo, 2011: Economic value of weather and climate forecasts. In *The Oxford Handbook of Economic Forecasting*, M.P. Clements and D.F. Hendry (eds.), Oxford Univ. Press, NY, pp. 559–583.
- Katz, R.W., 2007: Environmental sciences. In *Statistical Analysis of Extreme Values with Applications to Insurance, Finance, Hydrology and Other Fields* (Third Edition), R.-D. Reiss and M. Thomas, Birkhäuser, Basel, Switzerland, pp. 353–367.
- Katz, R.W., M.B. Parlange, and C. Tebaldi, 2003: Stochastic modeling of the effects of large-scale circulation on daily weather in the southeastern U.S. *Issues in the Impacts of Climate Variability and Change on Agriculture: Applications to the Southeastern United States*, L.O. Mearns (ed.), Kluwer, Dordrecht, pp. 189–216.
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