

15th 'Aha Huliko'a Hawaiian Winter Workshop

Extreme Events

January 23–26, 2007

Imin Conference Center, University of Hawaii, Manoa
Honolulu, HI 96822

Preliminary Agenda

Monday, January 22, 2007

5:30-7:30 P.M. Reception at New Otani Kaimana Beach Hotel, Sans Souci Room
(pupus/punch)

Tuesday, January 23, 2007

8:00 A.M. Bus departs from New Otani Kaimana Beach Hotel to University of
Hawaii, Imin Conference Center, Jefferson Hall, Asia Room (second
floor)

8:15 A.M. Registration (sign in and workshop fee \$180.00 payment due)

Morning Convenor: Peter Müller

8:45 A.M. Chris Garrett and Peter Müller: *Introductory example: Rogue waves*

9:10 A.M. Armin Bunde: *Long-term persistence in nature: On the clustering of
extreme events*

9:50 A.M. Javier Jimenez: *Self-similarity and coherence in the turbulent cascade*

10:30 A.M. Break

10:50 A.M. Oliver Bühler: *The likely shape of extreme events*

11:30 A.M. Carl Wunsch: *Treachery in short climate records: apparent extremes and
correlations*



12:15-1:30 P.M. Lunch (downstairs in Imin Conference Center)

Afternoon Convenor: Chris Garrett

1:30 P.M. Keith Thompson: *Extreme sea levels, coastal flooding and climate change*

2:10 P.M. Leif Thomas: *Asymmetric oceanic response to stabilizing versus destabilizing wind forcing at baroclinic currents*

2:50 P.M. Break

3:10 P.M. Axel Timmerman: *Why is El Niño stronger than La Niña?*

3:50 P.M. Jay Kadane: *What is an extreme event?*

4:30 P.M. Bus leaves University for return to New Otani Kaimana Beach Hotel

Wednesday, January 24, 2007

8:00 A.M. Bus departs from New Otani Kaimana Beach Hotel to University of Hawaii, Imin Conference Center, Jefferson Hall, Asia Room

Morning Convenor: Axel Timmermann

8:30 A.M. Claudia Tebaldi: *Extremes in global climate models*

9:10 A.M. Tapio Schneider: *Dynamic and thermodynamic constraints on extratropical precipitation*

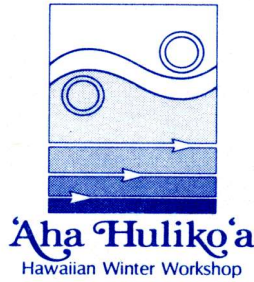
9:50 A.M. Richard Smith: *Extreme precipitation trends over the continental United States*

10:30 A.M. Break

10:50 A.M. Hans von Storch: *The story of storminess in NW Europe*

11:30 A.M. Jim Hansen: *Climatological vs. state-dependent extremes: A nonlinear dynamical systems perspective*

12:10-1:30 P.M. Lunch (downstairs in Imin Conference Center)



Afternoon Convenor: Carl Wunsch

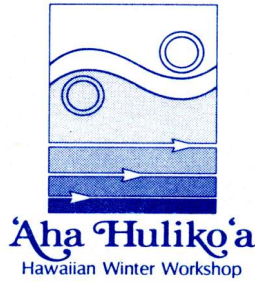
- 1:30 P.M. Raffaele Ferrari: *Extreme statistics of tracer dispersion*
- 2:10 P.M. Adrian Martin: *The prairie ocean*
- 2:50 P.M. Break
- 3:10 P.M. Jennifer MacKinnon: *Breaking oceanic internal waves: statistical and dynamical views*
- 3:50 P.M. Jim McWilliams: *Extreme events in geophysical turbulence: Which flow structures populate the tails of the probability distribution functions?*
- 4:30 P.M. Bus departs University for return to New Otani Kaimana Beach Hotel

Thursday, Jan 25, 2007

- 8:00 A.M. Bus pickup from New Otani Kaimana Beach Hotel to University of Hawaii, Imin Conference Center, Jefferson Hall, Asia Room

Morning Convenor: Jim McWilliams

- 8:30 A.M. Jochem Marotzke: *The potential of the MOC to undergo abrupt change*
- 9:10 A.M. Daniel Rothman: *Biogeochemical events and the slow logarithmic decay of marine organic carbon*
- 9:50 A.M. Didier Sornette: *Endogenous versus exogenous origins of extreme events*
- 10:30 A.M. Break
- 10:50 A.M. Kerry Emanuel: *Hurricanes in the climate system*
- 11:30 A.M. Michael McIntyre: *The dynamical constraints on extreme events*
- 12:15 P.M. Bus leaves University for return to New Otani Kaimana Beach Hotel (Lunch on your own)



Friday, Jan 26, 2007

- 8:00 A.M. Bus departs from New Otani Kaimana Beach Hotel to University of Hawaii, Imin Conference Center, Jefferson Hall, Asia Room
- 8:30 A.M. Discussion Session I
- 10:30 A.M. Break
- 10:50 A.M. Discussion Session II
- 12:15-1:30 P.M. Lunch (downstairs in Imin Conference Center)
- 1:30-2:30 P.M. Discussion Session III
- 2:30-2:50 P.M. Break
- 2:50-4:00 P.M. Discussion Session IV
- 4:15 P.M. Bus leaves University for return to New Otani Kaimana Beach Hotel
- 5:30-8:00 P.M. Banquet at the Outrigger Canoe Club (2909 Kalakaua Ave.)