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.)