

Climate Change and National Security: Securing Better Forecasts
Proposed Agenda
June 21-23, 2010

Monday, June 21

- 6:00 PM Opening Reception
Keynote address: What do we know about climate forecasting and what should we know for national security? (Dr. Walter Munk)

Tuesday, June 22

- 8:45 AM Welcome and Opening Remarks (Dr. Tony Haymet)
- 9:00 AM Symposium Segment 1: Physical Climate Impacts (precipitation, temperature, sea level rise, glacier/snowpack, vector disease) for selected Pacific Rim regions by decade.
- 9:00 AM Advances in climate modeling: Key challenges in the projections and predictability of global climate change (Dr. V. Ramaswamy)
- 10:00 AM Climate of Asia in 2035, with focus on Pacific Rim cities, Yangtze River basin and land degradation in Asia (Dr. Zhang Xiao Quan, Dr. Ming Xu and Dr. David Pierce)
- 11:00 AM U.S. national security implications in the Asia Pacific of the major ice-melt scenarios (Ambassador Ken Yallowitz, Dr. Helen Fricker, Dr. J. Srinivasan)
- 12:00 PM Lunch. Department of Defense view on Climate Change national security impacts and how the University can help (Deputy Assistant Secretary Amanda Dory)
- 2:00 PM Symposium Segment 2: National Security Impacts: human response to physical changes, potential for conflict, implications for DOD, State, USAID
- 2:00 PM Climate change impacts on regional security and operations in the Asia-Pacific region (Admiral Dave Titley, Dr. Vicky Pope, Dr. Ron Filadelfo)
- 3:00 PM Behavioral models for climate change, (Dr. Larry Morgan, Dr. Joshua Graff Zivin, National Intelligence Officer Rich Engel)
- 4:00 PM Conflict from natural resource shortages/disease vectors, special emphasis on water; Climate, conflict and risk: Mindanao (Air Marshall A.K. Singh, Antonia Yulo Loyzaga, DOE Deputy Assistant Secretary Rick Duke)

Wednesday, June 23

- 9:00 AM Symposium Segment 3: Ensuring Better Forecasts
- 9:00 AM Specific Improvements needed for better forecasting: in observation systems with international support, in atmospheric models, in ocean models as context for regional forecasting, the role of testing climate models with observations, decision making under uncertainty (Admiral Conrad Lautenbacher, Dr. Julie McClean, Dr. Jay Gullede, Dr. Bruce Cornuelle)

10:00 AM What is the way forward for climate data, modeling, forecasting, supercomputing capacity, next generation coupled global prediction system. (Dr. Dan Cayan, Dr. John Orcutt, Dr. Frank Herr)

11:30 AM Wrap-Up Discussion and Closing Remarks (Reno Harnish)

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