

CESM Polar Climate Working Group Session
Wednesday, 21 June 2017
NCAR – Boulder, Colorado – Center Green Auditorium – North Bay
>>>> Webcast: <http://www.fin.ucar.edu/it/mms/cg-north-live.htm> <<<<

- 8:30 a.m. Co-chairs – Welcome
- 8:35 a.m. John Mioduszewski – Future interannual variability of Arctic sea ice and its implications for marine navigation
- 8:50 a.m. Ariel Morrison – Arctic cloud feedbacks and response to sea ice loss in the CESM1 and IPSL climate models
- 9:05 a.m. Steve Vavrus – Projected changes in Arctic winds in the CESM Large Ensemble
- 9:20 a.m. Kelly Kochanski – Self-organization of wind-blown snow and its effects on thermal conductivity
- 9:35 a.m. Nicholas Szapiro – Multi-scale prediction with MPAS-CESM
- 9:50 a.m. Discussion (CESM2 release and special issue papers. PCWG liaisons)
- 10:00 a.m. *Break*
- 10:30 a.m. William Frey – The impact of Southern Ocean heat uptake on the pace and pattern of greenhouse warming
- 10:45 a.m. Arne Winguth – Eocene hyperthermals – A CESM1.2 model study
- 11:00 a.m. Jamie Ward – Modeled response of Greenland snowmelt to the presence of biomass burning-based absorbing aerosols
- 11:15 a.m. Yongfei Zhang – Insights on sea ice data assimilation from perfect model observing system simulation experiments
- 11:30 a.m. Gunter Leguy – An anisotropic, elastic-decohesive constitutive relation for modeling Arctic sea ice
- 11:45 a.m. Prajvala Kurtakoti – Preconditioning and formation mechanisms of maud rise (open ocean) polynyas in a high-resolution CESM
- 12:00 p.m. *Adjourn*