

Joint US-Japan Workshop on Climate Change and Variability, 21-22 March 2016

Martin Johnson House, Scripps Institution of Oceanography, UCSD, La Jolla, San Diego

Day 1 (21 March)



9:00	Registration		
9:30	Opening Remarks		
Climate System 1Chair: Shang-Ping Xie			
9:40	Michael Wehner	LBNL/UC Berkeley	Quantifying the human influence on individual extreme weather events
10:00	Xichen Li	SIO, UCSD	Atlantic-induced tropical climate changes in the ocean and atmosphere
10:20	Takashi Mochizuki	JAMSTEC	Inter-basin climate variation studies by employing partial data assimilation approach
10:40	Coffee Break		
11:10	Shang-Ping Xie	SIO, UCSD	How will El Nino change in warming climate?
11:30	Chiharu Takahashi	The Univ. of Tokyo	Pacific trade winds accelerated by aerosol forcing over the past two decades
11:50	Hai Wang	SIO, UCSD	Detecting cross-equatorial wind change as a fingerprint of climate response to anthropogenic aerosol forcing
12:10	Lunch		
Climate System 2Chair: Masahiro Watanabe			
13:40	Clara Deser	NCAR	Does ocean-atmosphere coupling matter for the climate response to future Arctic sea-ice loss?
14:00	Youichi Kamae	Univ. of Tsukuba	Recent drying over East Asia associated with tropical inter-basin variability
14:20	Anna L. Merrifield	SIO, UCSD	Developing circulation analogs for U.S. summer surface air temperature
14:40	Ryo Mizuta	JMA/MRI	Large ensemble simulation by a 60km AGCM
15:00	Masato Mori	The Univ. of Tokyo	Change in persistent extratropical regimes under a polar amplified climate
15:20	Coffee Break		
Seasonal to Decadal PredictionChair: Masahide Kimoto			
15:50	Xiaosong Yang	NOAA/GFDL	The seasonal climate predictions with high-res coupled models at GFDL: model fidelity VS predictive skill
16:10	Yoshimitsu Chikamoto	IPRC, Univ. of Hawaii	Skilful multi-year predictions of tropical trans-basin climate variability
16:30	Takahito Kataoka	The Univ. of Tokyo	Predictability of Atlantic multidecadal oscillation using MIROC
16:50	Jun Ono	JAMSTEC	Pan-Arctic sea-ice predictability with the MIROC climate model
17:10	Discussion		
17:30	Closing day 1		
17:30-19:30	Reception at the T-29 Terrace		

Day 2 (22 March)

Climate Sensitivity and Feedbacks			Chair: Tomoo Ogura
9:30	Robert Pincus	Univ. of Colorado	The past isn't prologue: climate variability, sea surface temperature, and radiative forcing
9:50	Mark D. Zelinka	LLNL	Progress on quantifying, understanding, and constraining cloud feedbacks
10:10	Tomoo Ogura	NIES	Fast component of climate feedback
10:30	Hideo Shiogama	NIES	How much does the energy budget approach underestimate the climate sensitivity?
10:50	Coffee Break		
Climate System Modeling			Chair: Masayoshi Ishii
11:20	Hiroaki Tatebe	JAMSTEC	On the development of MIROC6 for the IPCC AR6
11:40	Eiki Shindo	JMA/MRI	Development of MRI-ESM for the IPCC AR6
12:00	Lunch		
13:30	Tomoko Nitta	The Univ. of Tokyo	On the impact of arctic wetlands on the climate system: Model sensitivity simulations with MIROC5 AGCM and the simplified wetland scheme
13:50	Misako Hatono	The Univ. of Tokyo	Improvements in river inundation processes of a climate model
14:10	Kiyotaka Mukaida	The Univ. of Tokyo	Incorporation of sediment transportation process to global river model
14:30	Atsushi Okazaki	The Univ. of Tokyo	Toward the assimilation of climate proxy data
14:50	Coffee Break		
High-resolution Modeling and Experiments			Chair: Masaki Satoh
15:20	Masaki Satoh	The Univ. of Tokyo	Changes in convective mass flux, high clouds, and tropical cyclone frequency due to global warming simulated by NICAM
15:40	Tomomichi Ogata	Univ. of Tsukuba	Frequency distribution of intense tropical cyclones in 60km-AOGCM
16:00	Wei Mei	SIO, UCSD	Variability of tropical cyclone intensity over past 60 years
16:20	Hisayuki Kubota	JAMSTEC	Philippine summer monsoon variability connected tropical cyclone activities
16:40	Chihiro Kodama	JAMSTEC	Storm-track cloud and precipitation simulated by a high-resolution global atmospheric model
17:00	Discussion		
17:30	Closing day 2, adjourn		