

Fourth OFES International Workshop and Second ESC-IPRC Joint Workshop on Computationally-Intensive Modeling of the Climate System

December 1-2, 2011
Keoni Auditorium, East-West Center

Thursday, December 1, 2011

10:00-10:15 Registration and coffee

10:15-10:30 Opening remarks, practical information

KEYNOTE LECTURE

10:30-11:00: Erik Lindborg (KTH, Royal Institute of Technology, Sweden)
"A possible explanation of the atmospheric kinetic and potential energy spectra"

Atmospheric Dynamics and Modeling (Chair: Kevin Hamilton)

11:00-11:30: Axel Lauer (IPRC)
"Modeling the response of MBL clouds to global warming: The impact of subgrid scale precipitation formation"

11:30-12:00: Yuya Baba (JAMSTEC ESC)
"Impact of two-moment cloud microphysical scheme in mesoscale convective system"

12:00-12:30: Yuqing Wang (IPRC)
"Internal variability of dynamically downscaled tropical cyclones over the western North Pacific using the IPRC Regional Climate Model"

12:30-2:00 LUNCH

Climate System and Data Assimilation (Chair Yuya Baba)

2:00-2:30: Miho Ishizu (IPRC)
"The oxygen-nitrate relationship in the World Ocean"

2:30-3:00: Nobumasa Komori (JAMSTEC ESC)
"Development of CFES-LETKF ensemble data assimilation system"

3:00-3:30: Wataru Ohfuchi (JAMSTEC ESC)
"Numerical simulations of effect of clouds' characteristics on climate: Preliminary results for cosmoclimatology"

3:30-4:00 BREAK

Climate Change Issues (Chair: Wataru Ohfuchi)

4:00-4:30: Annamalai (IPRC)
"Understanding Asian summer monsoon variability in a changing climate"

4:30-5:00: Kevin Hamilton (IPRC)
"Modeling the stratospheric QBO response to global warming"

Friday, December 2, 2011

Hawaiian Lee Countercurrent (Chair: Tangdong Qu)

9:30-10:00: Hideharu Sasaki (JAMSTEC ESC)

"Influence of local dynamical feedback process on the Hawaiian Lee Countercurrent"

10:00-10:30: Ali Belmadani (IPRC)

"Wind-induced baroclinic beta-plumes and the Hawaiian Lee Counter-Current"

10:30-11:00 BREAK

Western Tropical Pacific (Chair: Hideharu Sasaki)

11:00-11:30: Takuya Hasegawa (JAMSTEC RIGC)

"Study of upper ocean variation in the Bismarck Sea using observation and high-resolution model experiments"

11:30-12:00: Toru Miyama (JAMSTEC RIGC)

"Regional climate modeling study of wind variations over western Pacific warm pool before El Nino onsets"

12:00-12:30: Tangdong Qu (IPRC)

"Mindanao Current/Undercurrent in OFES"

12:30-2:00 LUNCH

Kuroshio Extension (Chair: Bunmei Taguchi)

2:00-2:30: Masami Nonaka (JAMSTEC RIGC)

"Potential predictability of interannual variability in the Kuroshio Extension jet speed in an eddy-resolving OGCM"

2:30-3:00: Akira Kuwano-Yoshida (JAMSTEC ESC)

"Baiu rainband termination in AFES and CFES"

3:00-3:30: Bo Qiu (UH Oceanography)

"Effect of decadal Kuroshio extension jet and eddy variability on the modification of North Pacific intermediate water"

3:30-4:00 BREAK

Decadal Variation (Chair: Bo Qiu)

4:00-4:30: Keiji Kiyomatsu (University of Tokyo)

"Connection between the Kuroshio and the Kuroshio extension decadal variation in OFES"

4:30-5:00: Bunmei Taguchi (JAMSTEC ESC)

"Propagation features of decadal-scale subsurface signals in the North Pacific Ocean"