

IWM-VI invited reviews (As of 20 August 2017)

Regional Monsoon and Climate

1. Bin Wang (U Hawaii): Interannual Variability of the Asian Monsoon
2. Tim Li and Bin Wang (U Hawaii), C.-P. Chang (Naval Postgraduate Sch), Bo Wu and Tianjun Zhou (IAP/CAS): Formation Mechanisms of Western North Pacific Anomalous Anticyclone during El Nino - A Review.
3. Lin Wang (IAP/CAS) and coauthor: East Asian Winter Monsoon
4. B. N. Goswami (Cotton U, India): South Asian Monsoon
5. Alice Grimm (Fed U Parana, Brazil): South and North American Monsoon
6. Kyung-Ja Ha (Pusan National U): Multifaceted Modes in the East Asian-Western North Pacific Summer Monsoon
7. Aurel Moise (BOM Australia) and H. Annamalai (U Hawaii) Climate for the Australian Monsoon
8. André Lenouo (U Douala, Cameroon), Winfried Pokam (U Yaoundé I, Cameroon), Appolinaire Vondou (U Yaoundé I), Serge Janicot (LOCEAN/IPSL, France), and François Mkankam (U Montagnes, Cameroon): Central African Monsoon
9. Kunio Yoneyama (JAMSTEC) and Chidong Zhang (PMEL/NOAA): Years of Maritime Continent (YMC) Program
10. Guoxiong Wu (IAP/CAS): The Nature of the Thermal Forcing of the Asian Summer Monsoon
11. Sulochana Gadgil (Indian Inst of Science): Role of land-ocean contrast in the variability of the Indian summer monsoon rainfall.

Mesoscale and High Impact Weather

1. Michael Bell (Colorado State U): Mesoscale/High Impact Weather Topics
2. Ben Jou (Pacific Science Assoc): Summer Monsoon Mesoscale Convection in Taiwan
3. Todd Lane (U Melbourne): Diurnally forced severe convection within the Australian Monsoon
4. Yali Luo (CAMS/CMA): Southern China Monsoon Rainfall Experiment (SCMREX)
5. Kristen Rasmussen (Colorado State U) and Angela Rowe (U Washington): Characteristics of extreme convective systems in the East Asian monsoon as seen by TRMM.
6. Ming Xue (Oklahoma U, CAPS): Mesoscale/High Impact Weather Topics
7. Brian Mapes (U Miami): A better view of upper-air soundings: conserved variable diagrams linear in mass, energy, and water
8. Leila Carvalho (UC Santa Barbara) and Maria Silva Dias (U Sao Paulo): Mesoscale and High Impact Weather in South American Monsoon
9. Yukari Takayabu (U Tokyo): Precipitation Observed From Space and Its Extremes
10. Zhiyong Meng (Peking U): Tropical Cyclone Tornadoes in Southern China

11. Jean-Philippe Lafore, P. Peyrillé, and F. Beucher (Metro-France): An overview of the weather conditions and climate trends of extreme rainfall in the Sahel
12. Shigeo Yoden (Kyoto U): Stratosphere-troposphere two-way dynamical coupling in the tropics through organizations of moist convective systems
13. Ming Luo (Sun Yat Sen U and Chinese U Hong Kong) and Gabriel Ngar-cheung Lau (CUHK): 'The role of monsoon variability in the occurrence of heat waves over South China and Indochina

Intraseasonal Variability and S2S Prediction

1. Chidong Zhang (PMEL), Da Yang (UC Berkeley), Ángel Adames (GFDL/NOAA), Boualem Khouider (U Victoira), and Bin Wang (U Hawaii), A Review of Current MJO theories
2. Ángel Adames (GFDL/NOAA): MJO theory - Moisture Mode View
3. Xianan Jiang (UCLA) and Daehyun Kim (U Washington): Progress and Status of MJO Simulations and Process-Oriented Diagnostics
4. Daehyun Kim (U Washington): MJO Propagation across the Maritime Continent – Observations and Modeling
5. Hyemi Kim (SUNY Stonybrook) and Frédéric Vitart (ECMWF): MJO Prediction: Current Status and future challenges
6. Paul Roundy (SUNY Albany): Mid-Latitude Wave Influences on the MJO
7. Charlotte DeMott (Colorado State U) and Nick Klingaman (U Reading): Direct and indirect ocean feedbacks to the MJO in four GCM experiments
8. Vincent Moron (U Aix-Marseille), Andrew Marshall (BOM Australia), A.K. Sahai (IITM, India), Harry Hendon (BOM Australia), and Rodrigo Bombardi (George Mason U): Monsoon Sub-Seasonal Prediction
9. Chih-Pei Chang (Naval Postgraduate Sch), Tim Li (U Hawaii), Song Yang (SYSU China): Weak predictability of wet season rainfall in western Maritime Continent

Modeling

1. Kazuhisa Tsuboki (U Nagoya): High-resolution Simulations of Heavy Rainfall and Typhoons Using a Cloud Resolving Model
2. Akio Kitoh, Hirokazu Endo, Ryo Mizuta, Hideaki Kawaim and Osamu Arakawa (MRI Japan): Future changes in global monsoon precipitation and their uncertainty: Results from high-resolution MRI-AGCM ensemble simulation with multi-SSTs and multi-physics
3. CLIVAR Working Group on Monsoons: Grand Challenges In Monsoon Modeling: Representation of Processes and Source of Model Errors
4. Tianjun Zhou (IAP/CAS), Andrew Turner (U Reading), and James Kinter III (George Mason U): The Global Monsoons Model Inter-comparison Project (GMMIP) contribution to CMIP6.
5. Panel discussion of GMMIP

Monsoon Training Workshop for NMHS Forecasters

Mr. Thierry Lefort, Meteo-France, (2 sessions)

Exploitation of MJO and Equatorial wave products for operational analysis and forecasting of TC genesis and extreme rainfall events.

Dr. Yun-Young Lee and Ms. Daeun Jeong, APCC (2 sessions)

Multi-model ensemble seasonal prediction and regional downscaling using APCC's CLimate Information ToolKit (CLIK).

Prof. Richard Johnson, Colorado State University (2 sessions)

Tropical and monsoon convection.

Prof. Michael Bell, Colorado State University (2 sessions)

Radar meteorology: basics and new developments.

wangbin@hawaii.edu;
timli@hawaii.edu;
wanglin@mail.iap.ac.cn;
goswami@iiserpune.ac.in;
grimm@fisica.ufpr.br;
leila@eri.ucsb.edu;
kjha@pusan.ac.kr;
yukari@aori.u-tokyo.ac.jp;
jean-philippe.lafore@meteo.fr;
tsuboki@nagoya-u.jp;
yoneyamak@jamstec.go.jp;
bmapes@rsmas.miami.edu;
zhoutj@lasg.iap.ac.cn;
mmbell@rams.colostate.edu;
jouben@ntu.edu.tw;
tplane@unimelb.edu.au;
yali@camsma.cn;
michael.reeder@monash.edu;
kristenr@rams.colostate.edu;
mxue@ou.edu;
andrew.marshall@bom.gov.au;
sahai@tropmet.res.in;
rbombard@gmu.edu;
moron@cerege.fr;
khouider@uvic.ca;
angel.adames-corraliza@noaa.gov;
da.yang@berkeley.edu;
xianan@ucla.edu;
frederic.vitart@ecmwf.int;
proudy@albany.edu;
demott@atmos.colostate.edu;
daehyun@uw.edu;
n.p.klingaman@reading.ac.uk;
thierry.lefort@meteo.fr;
dolkong400@gmail.com;
a.g.turner@reading.ac.uk;
ikinter@gmu.edu;
serge.janicot@locean.upmc.fr;
lenouo@yahoo.fr;
wpokam@yahoo.fr;
fmkankam@yahoo.co.uk;
kitoh@mri-jma.go.jp;
aurel.moise@bom.gov.au;
hanna@hawaii.edu;
hyemi.kim@stonybrook.edu;
zymeng@pku.edu.cn;
wenzhou@cityu.edu.hk;
yoden@kugi.kyoto-u.ac.jp;
gxwu@lasg.iap.ac.cn;
sulugadgil@gmail.com;
gabriel.lau@cuhk.edu.hk