Asia Oceania Geosciences Society
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AOGS2020
17th Annual Meeting
28 Jun to 4 Jul

Asia Oceania Geosciences Society

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Vivaldi Park,
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KOREA
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AS75 Climate Prediction: Skills and Errors on Climate Drivers and Response, and Extremes
Date & Time: Thursday, 02 July 2020, 08:30 - 12:45

There is a growing need in the scientific, operational and climate services communities in developing and utilizing high-quality climate predictions to provide early warnings of high-impact climate events and to take relevant proactive measures. The quality of climate predictions has been evaluated primarily with prediction skills on major climate variables and drivers at regional and global scales. Although such conventional assessment is served as an important guideline for the use of climate predictions, it is also crucial to validate sub-regional prediction skills of remote response and extremes to various climate drivers. In addition, systematic analysis of prediction errors helps improve our knowledge on local and regional climate predictability and, hence, develop indigenous prediction systems. The goal of this session is to discuss the current status of prediction skills and errors on climate drivers, teleconnections and associated climate response, and extremes with time scales of subsesonal, seasonal, inter-annual and beyond, and to address the window of opportunity for advancing climate predictions and techniques.

Organized by:
Dr Hyung-Jin KIM, *APEC Climate Center*
Dr Soo-Jin SOHN, *APEC Climate Center*
Prof Francis Chi Yung TAM, *The Chinese University of Hong Kong*

Schedule (Actual may vary)

08:30 - 08:45　　Variability of Climate Prediction due to Aerosol-Cloud-Climate Interactions
　　　　　　　　Dong Yeong CHANG#, Jos LELIEVELD, Benedikt STEIL, Seong Soo YUM, Jongmin YOON

08:45 - 09:00　　Future Pathways of Evapotranspiration Deficits Over East Asia Under the CMIP6 Climate Change Scenarios
　　　　　　　　Daeha KIM#, Kyung-Ja HA, Ji-Hye YEO

09:00 - 09:15　　Understanding the Skill Score of New Couple Model Forecast System by Central Weather Bureau in Taiwan
　　　　　　　　CHING-TENG LEE#, YunChing LIN, SzuYing LEE, Ting-Huai CHANG, TzuYu WU, Jen-Her CHEN

09:15 - 09:30　　Current Status and Recent Progress of APCC Seasonal Climate Predictions
　　　　　　　　Daeun JEONG#, Chang-Mook LIM, Young-Mi MIN, Yoo-Bin YHANG, Bong-Geun SONG

09:30 - 10:00　　*(Invited)* Predictability and Prediction of Seasonal Precipitation: Review and Revisit
　　　　　　　　June-Yi LEE

10:00 - 10:30　　*(Invited)* On the Link Between Mean State Biases and Prediction Skill
　　　　　　　　Ingo RICHTER

11:00 - 11:30   *(Invited)* Processes and Impacts of the Indian Ocean Dipole Mode with a Focus on the 2019 Event
Saji HAMEED

11:30 - 12:00   *(Invited)* Structure of the Changma in Weather Scale
Eun-Chul CHANG#, Joowan KIM

12:00 - 12:15   Predictability of the Silk Road Pattern - The Role of Upper Level Wind Biases
Ronald LI#, Francis Chi Yung TAM, Gabriel LAU, Soo-Jin SOHN, Joong-Bae AHN

12:15 - 12:30   Improving Subseasonal Dynamic Forecast Over Korean Peninsula Using Deep Learning
Taewoo RYU, Uran CHUNG#, Seungsoo LEE, Yun-Young LEE

12:30 - 12:45   Impact of the Indian Ocean Dipole on Rainfall over Spain
Sourabh SHRIVASTAVA#, Saji HAMEED