

Special Program in Applied Mathematics and Applied Mechanics

Variabilities and Interactions in the Land-Water-Climate Nexus

Prof. Jiang Feng Wei

2016 - 04 - 27 (Wed.)

15:00 - 18:00

308, Mathematics Research Center Building (ori. New Math. Bldg.)

In this talk, I will introduce some recent work by me and my group members in the broad area of land-water-climate-aerosol interactions, with focuses on land-atmosphere interactions, water cycle, and aerosol-climate interactions. Specific topics include (may only cover some of them):

1.Impact of land and atmospheric processes on precipitation 2.Influence of land initial conditions from snow data assimilation on seasonal surface temperature prediction 3.Where does the irrigation water go? 4.Role of ocean evaporation in recent California drought 5.Response of Indian summer monsoon to Middle East dust 6.Land-atmosphere-aerosol coupling in North China



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