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Popular Lecture

Prof. Subimal Ghosh

Open Invitation

Land- atmoshphere interaction in Indian monsoon : Dynamical & statistical modeling

Prof. Subimal Ghosh (Hon. Speaker)

Institute Chair Professor : Department of Civil Engineering
Convener : Interdisciplinary Program in Climate Studies
Indian Institute of Technology Bombay

The multi-scale variations of Indian monsoon have impacts on land processes over the Indian subcontinent. The feedback from the land processes to monsoon is generally neglected in monsoon studies. This lecture will be highlighting the quantification of feedback processes from land to monsoon in terms of estimated recycled precipitation. It is to be elaborated that a better presentation of land in a coupled land-atmosphere regional model improves the monsoon simulation with a reduction in dry bias, and feedback from irrigation and land water management also plays a major role in changing the spatial patterns of monsoon rainfall. The lecture would also highlight incorporation of interannual variations of vegetation properties increases the simulation performances of interannual variations of the monsoon, which can also be explained with information theory-based process networks.

FRIDAY
20
MAY
2022

VENUE: GBP-NIHE

Conference Room

03- 04 PM IST

Convenor : Dr. Sandipan Mukherjee, Sc-D, CLWRM ,

Contact-05962-241041
NMHS Pine-Oak Project, GBP-NIHE

Web link : https://nihe.webex.com/nihe/j.php?MTID=m8720f2bdbaa783c4f6baf1fa0f80e9d6

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