NZC Summer School 2016

Climate Teleconnections and Predictions

General Information

Global surface temperature increased by around 1 ° C since early 20th century, largely because of anthropogenic greenhouse gas emissions. Superposed on this warming trend were pronounced decadal to inter-decadal fluctuations. Similarly, decadal to multi-decadal variations in monsoon systems and Artcic climate have been also recorded. These interdecadal shifts have great influences on the East Asian weather and climate. In recent decades, the surface Arctic warmed much faster than other latitudes, with a warming magnitude of approximately twice as large as the Northern Hemisphere average. Arctic surface warming has been linked to local radiative process, heat and moisture transports from lower latitudes. Arctic surface warming also implies a melting sea ice cover, which plays an important role in the climate system. Numerical studies have suggested the impacts of reduction of Arctic sea ice on the Northern Hemispheric climate and extreme weather events, such as European summer precipitation, East Asian monsoon changes, Eurasian cold winters. What is the relation between the variability in the different regions and how this relation can benefit the climate predictions will be the main topic for this summer school.

The summer school of Nansen-Zhu International Research Centre (*NZC*) is a biennial event taking place alternatively in China and Europe. The summer school 2016 of *NZC* on "Climate Teleconnections and Predictions" is organized by the *NZC* and is supported by the Chinese and Norwegian partners of *NZC*.

This summer school aims to provide young researchers (Ms and PhD students/postdocs) with an exciting survey of recent developments in the area of climate teleconnections between the high and the lower latitudes and climate predictions. Lectures will be given in the morning and afternoon and there is time for interactive discussions between senior lecturers and young researchers including graduate students.

The school will be held **October 10-14th, 2016** at China University of Geosciences in WuHan, China. The cost of full board lodging (including all meals) for 5 nights, from October 10 to 14th, will be announced here soon. The finance page has some more info.

Deadline for applications is **June 30, 2016.**

If you need more information, please contact the scientific secretary
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