

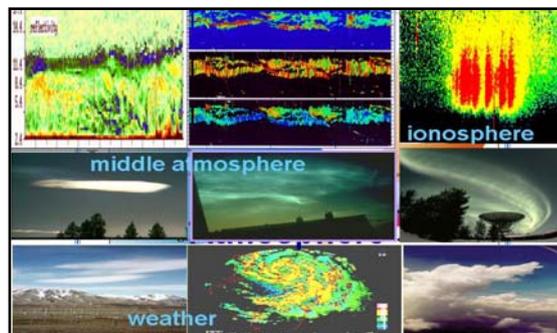
International School on Atmosphere-Ionosphere Radar ISAR – NCU - 2012

Graduate Institute of Space Science
National Central University, Chung-Li, Taiwan
12 -17 November 2012

The National Central University has decided to continue the series of international radar schools and hold the seventh school ISAR-NCU-2012 over one week from 12 to 17 November 2012. The venue will again be the National Central University (NCU) in Chung-Li, Taiwan, which is, together with the National Research Council (NSC) of Taiwan, the main sponsor of this school.

The general topical direction of ISAR-NCU-2012 will be a basic overview and introduction on radar systems and methods for atmosphere and ionosphere research. These span from Doppler weather radars, wind profilers, mesosphere-stratosphere-troposphere radars to meteor and ionosphere coherent and incoherent scatter radars. Some limited special highlights of weather observations with these radar methods will be explained, such as typhoon passages, frontal systems, tropopause detection, mountain lee waves, development of convective clouds, precipitation and lightning radar localizing by interferometry, two dimensional turbulence as well as middle atmosphere and ionosphere irregularities. The technical and signal processing of radar data will only be briefly handled during this year's school, but will treat some basics of atmosphere/ionosphere radar imaging.

Some phenomena studied by radar and explained during the ISAR-NCU-2012



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It is the intention of this school in 2012 to attract students to this atmosphere and ionosphere research by means of radar. It is not required for the applicants to prove established relation or good knowledge of radar techniques, but to show basic interest and some experience in meteorology and/or ionosphere physics.

Lecturers will be from the NCU and the international community of atmosphere-ionosphere research using ground-based radar methods. The school lectures and training will aim towards graduate and PhD students, young postdoctoral research scientists, preferably from the wider region of East Asia, who have not yet specifically worked but have developed interest in radar atmosphere and/or ionosphere science.

Some financing support for young students to participate at ISAR-NCU-2012 can be provided by NSC/NCU on proven demand.

Look up <http://isarncu.tw> for more information