

PhD-course in Thermal Infrared Remote Sensing

The Department of Geography and Geology at the University of Copenhagen, Denmark has organized a PhD-course in Thermal Infrared Remote Sensing. This will be held at the department from **June 11th to June 15th 2007**.

Subjects:

The course will cover a wide range of subjects within thermal infrared remote sensing:

- Fundamentals of remote sensing in the thermal infrared.
- Atmospheric correction and estimation of surface emissivity.
- Algorithms for Sea Surface and Land Surface Temperature retrieval for a range of sensors including the POES-sensors and the MSG SEVIRI-sensors.
- The problem of the angular dependencies of surface temperatures from both polar orbiting and geostationary satellites. This will also be the subject of a hands on exercise about the MGP model.
- Applications of thermal infrared remote sensing including fire detection, fire risk mapping, estimation of evapotranspiration and drought assessment and the estimation of air-temperatures.

Invited speakers:

Dr. Ana Pinheiro, NOAA National Climatic Data Center, USA

Dr. Folke Olesen, Forschungszentrum Karlsruhe, IMK-ASF-MSA, Germany

Dr. Mark Friedl (to be confirmed), Boston University, Dep. of Geography and Environment, USA

Course structure:

The course will contain lectures, hands on exercises, student presentations and an excursion to the Technical University of Denmark (DTU) which have a strong role in the development of the SMOS sensor. All participating PhD-student will be asked to make a 20 minute presentation of their current work. The course is open to all PhD-students, but the number of participants is limited to 18. The course is offered by a first-come, first-served policy.

Registration deadline is April 2nd 2007. The course is set to 5 ECTS.

Economy:

The course is offered at no cost to the participants, but no funding is available to cover travel and accommodation costs so these costs have to be covered by the participants. Participants also have to cover all expenses for meals.

For more information and registration (before April 2nd, 2007), go to the PhD-course homepage at: <http://www.geogr.ku.dk/courses/phd/thermalrs/index.html>

Best regards

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Organizing Committee for the PhD-course
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