

40th Anniversary of the Greenland Magnetometer Array

and

IMAGE 2013 meeting

May 15-16, 2013, DTU Campus, Kongens Lyngby, Denmark

The Greenland Magnetometer Array is celebrating its 40th anniversary. The array covers the polar cap, the dayside cusp, the auroral oval and subauroral latitudes providing excellent opportunities to investigate different aspects of polar ionospheric and magnetospheric current systems.

IMAGE, the International Monitor for Auroral Geomagnetic Effects, consists of some 30 magnetometer stations in northern Europe and is supported by 10 institutes from 7 countries. The main objective is to study polar electrojets, with additional possibilities to study long term trends in geomagnetic activity and induction processes.

The investigation of near Earth Space and Geomagnetism has its fundamental roots in geomagnetic observations at ground stations, with high latitudes being of particular importance. The knowledge on magnetic ground data analysis and the associated technical skills, accumulated over many years for ground magnetometer data, are also an important ingredient to the successful design and operation of high precision magnetic satellite missions. We look forward to presentations and discussions on magnetometer array science and coordinated investigations using ground- and space-based magnetic observations.

Preliminary program

Wednesday, May 15, 2013

morning session, 9:00 at room S16, building 101

IMAGE meeting 2013: science studies

afternoon session, 14:00 at room S16, building 101

40 years of Greenland magnetometers: science studies

evening session, 18:00 at building 328, DTU Space institute

40 years of Greenland magnetometers: celebration & small talk

(Food and beverage are served, meet the participants, tell stories from the past, plan future research)

Scientific committee:

Claudia Stolle
Eija Tanskanen
Eigil Friis-Christensen

Local organizing committee:

Jürgen Matzka
Claudia Stolle
Anna Willer
Lars W. Pedersen

Contact: image2013@space.dtu.dk

Thursday, May, 16, 2013

morning session, 9:00 at room S16, building 101

IMAGE meeting 2013: operations and techniques

afternoon session, 13:00 bus transport from building 101 to Geomagnetic Observatory Brorfelde

Geomagnetic observations in Denmark and Greenland

(Bus transport to CPH airport is provided in the late afternoon.)

Useful information on transport and accommodation:

The campus of DTU (including building 101 and DTU Space institute building 327/328) lies about 10 km north of Copenhagen. There is a good public transport service from Copenhagen to DTU:

- Bus line 150S and line 173E starting from Nørreport station in the city center of Copenhagen drive directly near the campus.
- Train connection with S-train B or E from main train station Copenhagen to Lyngby train station, from where several buses run to the campus. You can jump in the S-train also from Nørreport station.
- From the airport, frequent subway trains are running to Nørreport station. There are also train connections to Copenhagen main railway station.

We recommend to book accommodation close by Nørreport /Copenhagen or the train stations. Examples for good and not too expensive hotels are:

<http://www.wakeupcopenhagen.com/> (near train station Copenhagen)

<http://www.cabinn.com/hoteller-i-koebenhavn/hoteller-i-koebenhavn.html> (Cabinn City near Copenhagen main train station; Cabinn Scandinavia 1 km away from Nørreport station)

www.scandichotels.com/eremitage is located near Lyngby train station.

More detailed information on train/bus connections and on the program will be provided in a Second circular.

Looking forward to welcome you to DTU!

<http://www.space.dtu.dk/MagneticGroundStations>

<http://space.fmi.fi/image/index.html>

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