



Ph.D position in Arctic Environmental Technology at The University Centre in Svalbard (UNIS)

(Available from spring 2007)

General

The Department of Technology at the University Centre in Svalbard (UNIS), Svalbard, Norway, invites applications for a Ph.D position in Arctic Environmental Technology.

UNIS provides education and perform science with basis in the geographical location of Svalbard within a high Arctic area, and the excellent advantage this gives. Approximately half of the staff and students are from abroad, and all teaching are done in English. UNIS is located in new and modern locations in Longyearbyen, Svalbard, with very good access to modern laboratories and equipment. UNIS is a state-owned limited company.

The department for Arctic Technology consists these days of 1 professor, 2 associate professors, 5 Ph.D students and 4 adjunct professors.

Description of the Vacant Position

The official version of this announcement is available at www.unis.no. The Ph.D. student will be connected to a joint industry project (JIP) focusing on fate of oil spills in ice and countermeasures techniques to handle such oil spills (see www.sintef.no/jip-oil-in-ice for details). The JIP is funded by Norwegian and international oil companies and coordinated by SINTEF. The Ph.D student should define his/her project within the two first projects in this JIP: "Fate and behavior" and "In-situ Burning". These two projects contain studies of weathering processes of oil in ice (e.g. evaporation, dispersion, emulsification and release of water soluble components) and the operational use of in-situ burning as a contingency method to remove oil spills from an Arctic environment.

The Ph.D project should contain several of these topics:

1. Weathering processes in oil spilled in an Arctic environment
2. Efficiency of in-situ burning of oil spills in ice as a function of oil type and oil weathering processes
3. Numerical modeling of weathering processes and/or in-situ burning efficiency

A Ph.D project connected to this JIP gives a unique possibility of combining theoretic studies, laboratory and field experiments. The Ph.D student will have UNIS as his/her primary institution, but could also, if relevant, take courses and perform work at NTNU and SINTEF in Trondheim. We are looking for a candidate with preferable a background in environmental organic chemistry. Candidates with relevant laboratory and field experience will be preferred. The candidate should indicate his/her main field of interest for the PhD research in the application.

Employment Conditions for the Ph.D position

The employment contract is of 4 years.

UNIS will supply:

- Furnished, reasonably priced housing
- Free annual passage for the candidate to his/her home on the mainland
- Free life insurance
- Modern facilities and premises

The successful candidate must live in Longyearbyen. He/she is expected to contribute actively in ongoing scientific activities at the department. It is also expected that the Ph.D. student take an active part in the advancement of his/her field of research, and he/she must also be willing to contribute to the development of UNIS in a more general sense.

Salary

All salaries are set in accordance with the Norwegian government's University salary scale.

Ph.D. students are offered a gross salary of NOK 310 500.-. An annual allowance of NOK 24 000 (Svalbardtillegg) will be added to staff salaries provided that they are residents on Svalbard. A Social Security contribution of 2 per cent, to the Norwegian Public Service Pension Fund, will be deducted from the salary. Income tax on Svalbard is 12 per cent, plus 7.8 per cent toward National Insurance coverage.

Selection and appointment

An expert Committee appointed by the Director of UNIS will evaluate the qualifications of the applicants. The Committee will review the applications in detail. The appointment will be made by the Board of Directors based on the recommendation from the Director of UNIS.

Application and further information

A more complete description of the project and other inquiries about this position may be directed to: Adjunct associate Professor Dr. Per Johan Brandvik, phone no: +47 9095 8576, email: per.brandvik@sintef.no or study counselor Katharina Storemark at UNIS, phone no: +47 7902 3300, email: katharina.storemark@unis.no

Deadline for application is February 15th, 2007.

Application with Curriculum Vitae and copy of academic records should be submitted in **3 copies** to:

The University Centre in Svalbard
P.O. Box 156
N-9171 Longyearbyen
Norway

Or sent by email to post@unis.no

Please note that applications will not be returned.