



UNIVERSITY  
OF MANITOBA

Clayton H. Riddell Faculty of  
Environment, Earth, and Resources

Centre for Earth Observation Science

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**POSTING: Remediation techniques for oil spills in cold and/or ice-dominated waters.  
(co-supervised by Dr. Wang and Dr. Pućko)**

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We are seeking a highly motivated Masters or Doctoral candidate with strong academic experience in engineering and/or environmental engineering and/or organic chemistry to test and develop techniques for remediation of oil spills (crude oils, fuel oils) in cold waters where sea ice may be present. The successful candidate for this position will be working with the *oil-in-sea ice* team at CEOS, to contribute to the development of techniques and prototypes of devices that would be suitable for cleaning up marine oil spills in the Arctic. Candidates will be expected to contribute to presentations for the industrial partners, participate in the development of laboratory techniques to measure effectiveness of clean-up procedures tested, participate in fieldwork campaigns in the Arctic (off the research vessels and/or ice camps), and author peer-reviewed publications.

Applicants should have a strong background in at least one of the following areas: engineering, environmental engineering or chemistry, and preferably marine organic chemistry. Special consideration will be given to those candidates who have had exposure to laboratory methods including GC-MS, GC-GC-ToF-MS, fluorescent spectroscopy, and/or strong academic experience in physics with special emphasis on electromagnetism, and/or experience in engineering design process.

The successful candidate will be working at the Centre for Earth Observation Science (CEOS) of the University of Manitoba, Winnipeg, Canada. Housed within the Clayton H. Riddell Faculty of Environment, Earth and Resources, CEOS is home to 15 full time faculty and approximately 70 graduate students, research associates, and other staff devoted to the study of Arctic marine science. The Centre is located in the newly developed Nellie Cournoyea Arctic Research Facility. CEOS is a founding member of the international Arctic Science Partnership (ASP).

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**Application deadline: open until filled.**

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Applications should be emailed to Dr. Monika Pućko  
Monika.Pucko@umanitoba.ca

Please include in your application a CV, transcripts, a short statement of relevant research experience and interests, and the contact information for two referees.



For further information, please visit:

CEOS: [umanitoba.ca/ceos](http://umanitoba.ca/ceos)

ASP: [asp-net.org](http://asp-net.org)

CMO: [umanitoba.ca/ceos/research/CMO.html](http://umanitoba.ca/ceos/research/CMO.html)

CCGS Amundsen: [amundsen.ulaval.ca](http://amundsen.ulaval.ca)

