

MICHIGAN STATE UNIVERSITY

January 14, 2012

Ph.D. research assistantship in membrane separations

Research area: Oil-water separation using ceramic membranes

Research assistantship is available for a Ph.D. student with an interest in nanotechnology and membrane science to work on the development of new membranes and membrane-processes for oil-water separation.

The goal of this research is to develop a technology that can reliably and cost-efficiently process oil-water dispersions and separate smaller droplets that are difficult to remove using currently applied technologies (e.g., hydrocyclones). Target applications are produced water treatment and oil spill cleanup. The project is a part of the MSU Strategic Partnership "Advanced membrane technologies for a sustainable future." Activities within the Partnership cut across many MSU Departments and Colleges and focus on the development of novel water treatment technologies

Students with Bachelor or (preferably) Masters degrees in Environmental Engineering, Chemical Engineering, Petroleum Engineering or a related discipline are invited to apply. Previous research experience in membrane separations is desirable.

Full-time tuition and health insurance will be covered as a part of the appointment.

The position is available immediately and will remain open until filled.

Interested persons should send curriculum vitae, TOEFL scores (if applicable), GRE scores, a brief statement of career goals and research experience, and contact information of three to five professional references to Prof. Tarabara via email: tarabara@msu.edu. Highly qualified students will be invited to submit a formal application to the university.



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