

# Speaking of Engineering...

## Did you ever wonder...

...how ice behaves when it is hit by a 35,000 tonne steel ship?



Dr. Claude Daley

Dr. Claude Daley will talk about ships and how they perform (or don't perform) in ice and how ships can sometimes lose the battle. If you'd like to learn more about ice conditions, how navigation occurs, how risk arises, or how ice behaves, join us for this exciting event.

Dr. Daley is the director of the Ocean Engineering Research Centre at Memorial University and a professor of ocean and naval architectural engineering.

**Tuesday, March 9, 2004**

**7:30 p.m.**

**S. J. Carew Building  
Room EN2006**

Reception to follow

## ...how St. John's became the gateway to the Arctic?



Dr. Mary Williams

Over the past two centuries, many ship expeditions to the Arctic have passed through St. John's. They came here for supplies and for sailors experienced in Arctic navigation. In the coming decade, shipping to the Canadian Arctic will increase. St. John's will continue to act as a gateway, virtual and practical, for modern Arctic traffic. Dr. Williams will talk about a Newfoundland tradition of expertise in Arctic shipping, and how that expertise is playing an important role in modern exploration and development in the Arctic.

Dr. Williams is the director general for the National Research Council Institute for Ocean Technology (NRC/IOT) and an honorary professor in the Faculty of Engineering and Applied Science.

**Tuesday, April 20, 2004**

**7:30 p.m.**

**S. J. Carew Building  
Room EN2006**

Reception to follow

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