

MASS Navigation in Ice

Machine Vision Techniques for Situational Awareness and Path Planning in Model Test Basin Ice-Covered Waters

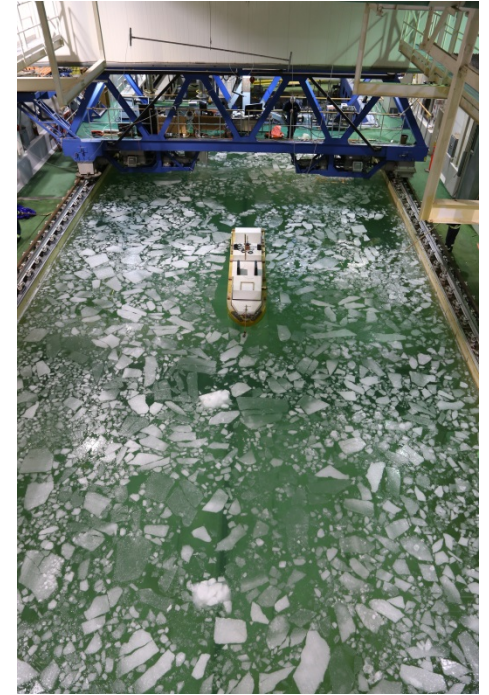
CISMaRT Workshop, November 26, 2020

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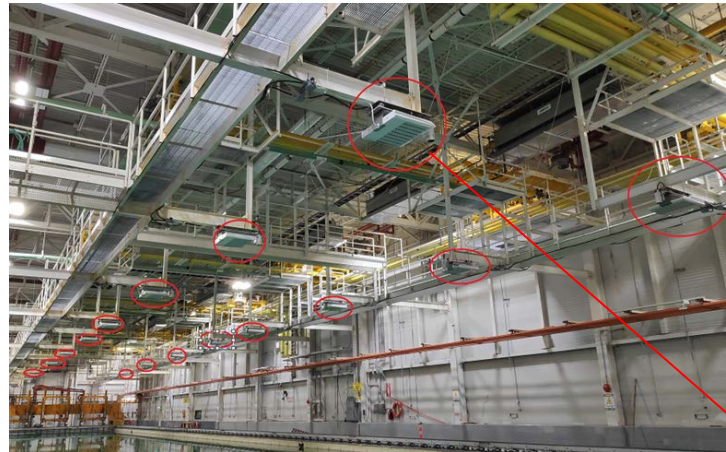
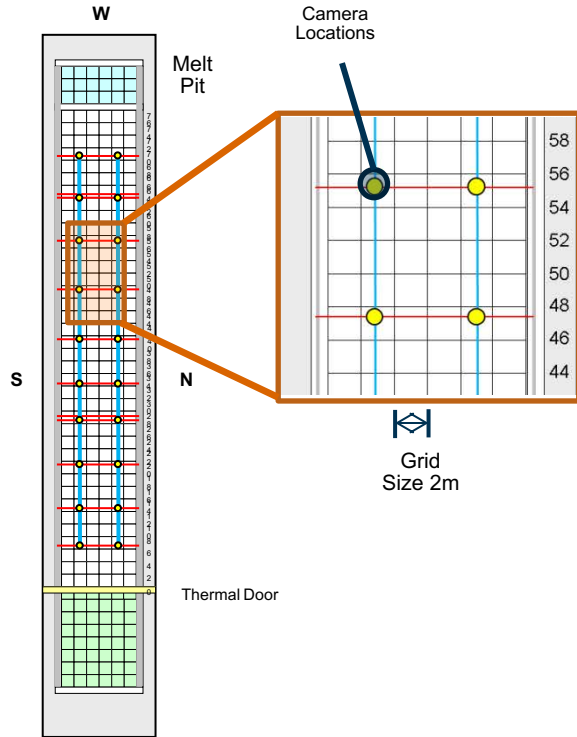
National Research Council of Canada
Ocean, Coastal and River Engineering Research Centre



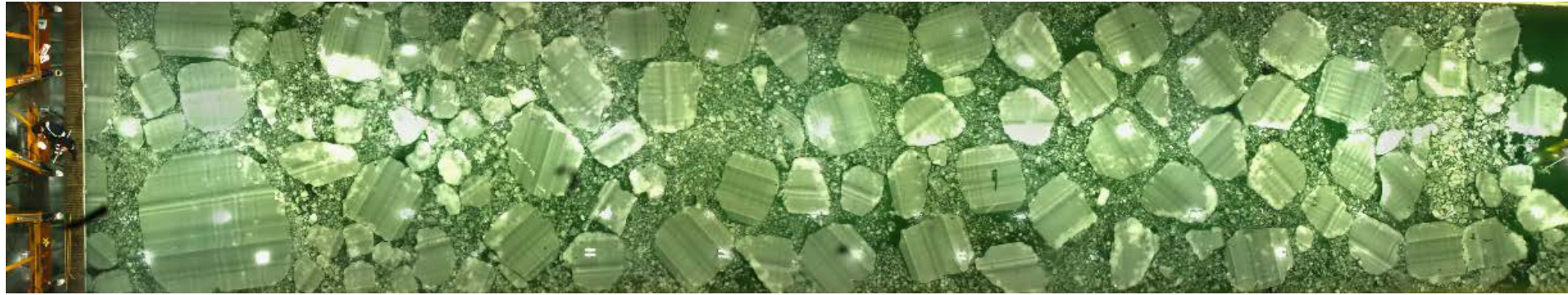
OCRE St. John's Ice Tank



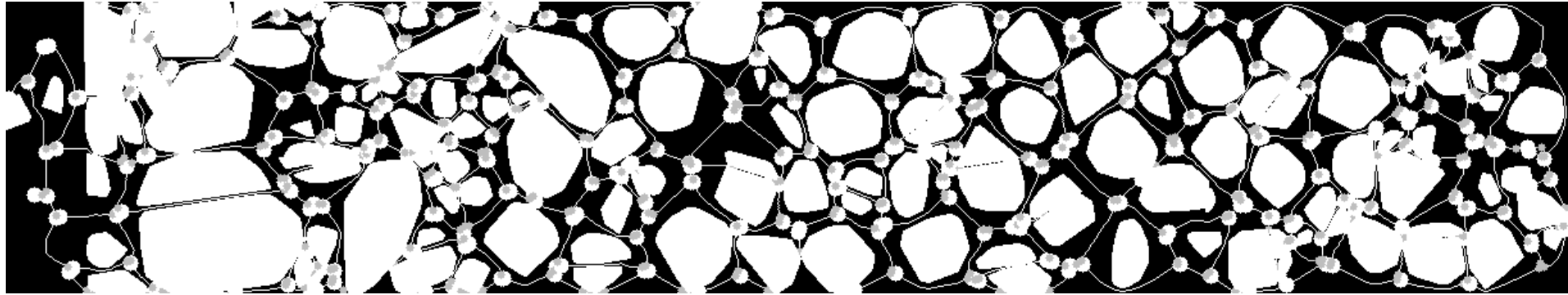
Global Machine Vision Camera System



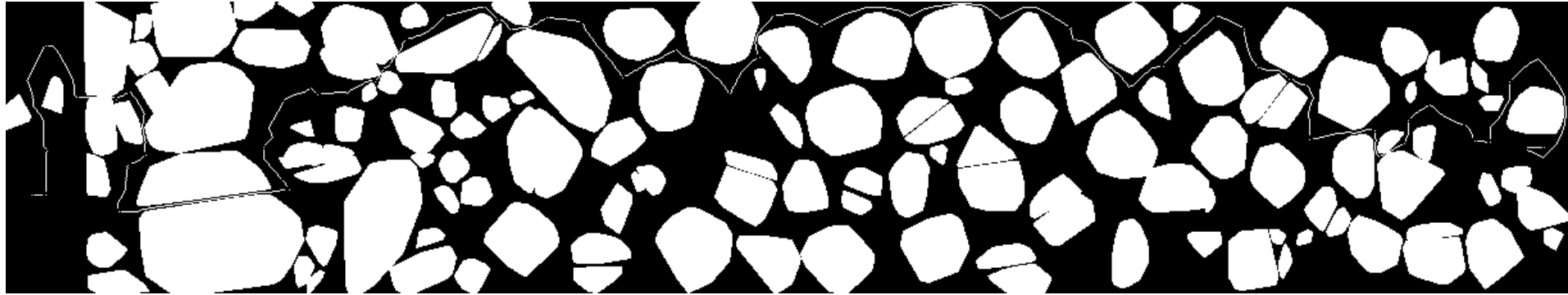
Processing



Open Water Paths



Shortest Path



Real-time Situational Awareness and Control

