

iSMART

ational Network for Innovative uilding, Marine Research and Training

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THE UNIVERSITY OF BRITISH COLUMBIA
AND
MEMORIAL UNIVERSITY

FOR THE DEVELOPMENT OF
THE NATIONAL NETWORK FOR
INNOVATIVE SHIPBUILDING,
MARINE RESEARCH AND TRAINING



8am-5pm
July 6 2016
at UBC

8am-5pm
September 26 2016
at MUN

For more information, contact Dr. Wei Qiu: qiuw@mun.ca

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Objectives of the National Network

Overview of the Workshops and Their Objectives



The Canadian shipbuilding and marine industry for growth and expansion:

- the renewal of the Canadian Navy and Coast Guard
- expansion of the northern water routes of the Arctic
- emphasis on the environment and the green shipbuilding technology

Challenges:

- Small community and lack of highly qualified naval architects, marine engineers and other engineers to meet the needs

Opportunities:

- Research and training in broader marine technologies
- Raise the profile of Canadian marine technology internationally



- Encourage *collaborative and innovative* research among Canadian universities/ research institutions, government agencies and the private sector that reflects the needs of the Canadian marine community and supports *Canadian competitiveness on the global*
- Establish a national shipbuilding/marine network to undertake relevant applied research and contribute to the development of innovative technologies.



- Improve marine-related educational programs to yield *highly-qualified personnel* for employment in Canadian industry and government.
 - Provide contractors with potential areas of investment that could generate long-term economic benefits for the broader marine sector in Canada while helping the companies meet their obligations under the Industrial Technological Benefits (ITB) Policy.
- * *Highly-qualified personnel:*
- Undergraduates, Masters, PhDs and Post-Doctoral Fellows (PDFs)

TWO WORKSHOPS

To identify the path to advance the Canadian marine industry, two workshops will be held to seek stakeholder input to formalize iSMA

- Technical scope of the national network
- Identify key research themes
- Establish the network structure
- Develop strategic plan for the national network





Morning Sessions:

- Presentations on
 - general trends in the marine and shipbuilding sectors
 - lessons learned from other initiatives conducting marine research from the world
 - descriptions from various organizations of current practice for conducting research and training
 - overview of research and training at Canadian universities

Notes:

- Our schedule is very tight.
- Questions are welcome during presentations, please keep them very short.

Afternoon Sessions:

- 1st Session

- to identify and prioritize the research themes and topics that iSMART will focus on

- 2nd Session

- to establish a strategy for implementing the Network and will consider how it would be best organized





Afternoon Sessions:

- Each session will open with a short presentation summarizing the goals of the session and also outlining the approach.
- This will be followed by breakout sessions. Teams will brainstorm ideas.
- Following the breakout sessions, the spokesperson will present each team's findings.
- This will be followed by an open discussion of all participants and will close with an attempt to summarize the findings.
- Team Assignments and Leaders
See handout

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Workshop Organizing Committee

Wei Qiu, Memorial University

Jon Mikkelsen, University of British Columbia

Brian McShane, Innovation, Science and Economic Development Canada

Dan McGreer, VARD Marine

Neil Pegg, Defence R&D Canada Atlantic Research Centre

Leonard Pecore, Genoa Design International Ltd

Roger Basu, Roger Basu and Associates,
Workshop Facilitator

