

## Introduction to the Workshop

introducing participants to the wide range of research activities in progress in both Canada and France. In addition, keynote speakers will discuss various opportunities for development in the Arctic and Antarctic. Session 2, **Structures and the Environment**, will provide participants with a sampling of engineering research and the associated methodology which is essential in extending the results of analytical and small-scale laboratory work to actual projects. Session 3, **Material Requirements**, will examine behaviour of frozen soils, of steels and of bituminous pavements. In addition, the methodology for determining the effect of thermal changes on soil masses will be outlined. In Session 4, **Marine Code Requirements**, the results of research work related to ships and to offshore structures is presented in the form of code requirements, contrasting the styles used in Canada and France. Session 5, **Future Directions for Joint Research Programs**, concludes the workshop with an assessment of current projects and a panel discussion which will attempt to obtain direction for the future of joint Canada/France research programs.

The workshop has been organized by a joint steering committee comprised of representatives of both Canada and France. The mandate of this steering committee is to assess existing projects; to listen very carefully to comments from experts in attendance; to assess ideas for new projects and to weigh the value of these in the light of emerging technological needs and opportunities; and, finally, to recommend to the two sponsoring government agencies a profitable course of action.

Canadian representatives on the joint steering committee are:

- Peter Adams (Co-Chairman), President, Technical University of Nova Scotia, Halifax, Nova Scotia;
- Jack Clark, Director, Centre for Cold Ocean Resources Engineering, St. John's, Newfoundland;
- Paul Dufour, Trade Commissioner, External Affairs Canada;
- Bill Roggensack, Engineering Coordinator, Centre for Frontier Engineering Research, Edmonton, Alberta; and
- François Tavenas, Dean, Faculty of Science and Engineering, Université Laval, Laval, Quebec.

French members of the joint steering committee are:

- Michel Huther (Co-Chairman), Director of Research and Development Centre, Bureau Veritas;
- Mme. M. Brachet, Secrétaire Exécutif, Ministère Recherche et Technologie;
- M. Engler, Directeur, Expéditions Polaires Françaises;
- M.J. Nougier, Conseiller Scientifique, Ambassade de France au Canada; and
- M.G. Huard, Vice-Président, Bouygues Offshore.