

## Session 2

### Session 2: "Structures and the Environment"

#### Session Co-Chairmen

**Francois Tavenas**

Dean, Faculty of Science and Engineering, Laval University

**Mme. M. Brachet**

Secrétaire Exécutif, Ministère de la Recherche et de la Technologie

**Session Co-Chairman:** Francois Tavenas is a civil engineer who earned a doctorate from University of Grenoble prior to immigrating to Canada in 1966. After several years as a geotechnical engineer in Quebec, he joined Laval University as a professor in the Department of Civil Engineering in 1970. He has been Dean of Laval's Faculty of Science and Engineering since 1985. Dr. Tavenas' research has included problems related to the behaviour of soft clays, the measurement of clay properties, the design of embankments on soft clays, the stability of slope and the design of piled foundations. Dr. Tavenas is currently Group Chairman and Member of the Committee on Research Base with NSERC, the Natural Sciences and Engineering Research Council of Canada.

**Session Co-Chairman:** A graduate of Ecole Spéciale des Travaux Publics, Mme. Brachet worked for more than 20 years at the Central Laboratory of the French Highways Administration (LCPC), prior to joining the French Research Ministry in 1982. She is currently Executive Secretary of the priority action for civil engineering.

**Session Abstract:** One of the major difficulties in planning and designing heavy engineering projects in cold, isolated regions is the lack of engineering information on the way in which the environment will impact on structures and ships. Many of the projects recommended by the SMC have as their object the improved description in terms of appropriate engineering design. The papers in Session 2 will provide participants with a sampling of some of the engineering research and associated methodology which are essential in extending the results of smaller scale laboratory work or analytical results to actual projects.

#### "Antarctic Iceberg-Seabed Interaction"

**Dat Duthinh**

Group Leader, Ice Engineering, C-CORE

**Michel Engler**

Directeur, Expéditions Polaires Françaises

**J. F. Regrettier**

Ingénieur de Recherche, Bureau Veritas

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