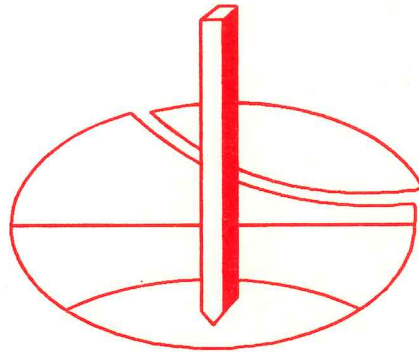


SCOUR OF FOUNDATIONS



Proceedings of an International Symposium organized by the
**INTERNATIONAL SOCIETY OF SOIL MECHANICS
AND GEOTECHNICAL ENGINEERING
TECHNICAL COMMITTEE TC-33
ON SCOUR OF FOUNDATIONS**

Held in

Melbourne, Australia on November 19, 2000

Jean-Louis BRIAUD, Editor

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Edited by Jean-Louis BRIAUD

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NOVEMBER 2000

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PREFACE

These proceedings represent the collection of 32 articles from 15 different countries. Many people have contributed to this book and I wish to acknowledge them all. Professor Ishihara (Japan) is the President of the International Society of Soil Mechanics and Geotechnical Engineering (1997-2001). In 1998, he accepted a proposal to create Technical Committee no. 33 on Scour of Foundation (TC-33). I appreciate his vote of confidence. In 1999, the TC-33 committee decided to organize a series of events. In 2002, the TC-33 committee plans to organize the First International Conference on Scour of Foundations at a site to be determined. In 2001, the TC-33 committee will organize a workshop at the occasion of the International Conference on Soil Mechanics and Geotechnical Engineering to be held in Istanbul in August.

These are the proceedings of the International Symposium on Scour of Foundations to be held in Melbourne, Australia on November 19, 2000. Professor Safiullah (Bengladesh) is the Chair of the Organizing Committee and Professor Melville (New Zealand) is the Co-Chair. I wish to thank Professor Safiullah, Professor Melville and the members of the organizing committee for a job well done.

As editor of these proceedings, I wish to thank the authors for their contributions and for their timely paper-submittal. As chair of the International Society of Soil Mechanics and Geotechnical Engineering Technical Committee 33 on Scour of Foundations, I wish to thank all the members of the committee for their help over the last two years. Many of the committee members have contributed papers to this Symposium. I also wish to thank Mrs. Kelli Perry and Mrs. Kelly Smith on our staff, for all their help with the TC-33 committee work in general and the preparation of these proceedings in particular. Finally, I wish to acknowledge the Spencer J. Buchanan Professorship at Texas A&M University for financially supporting the TC-33 committee work and the preparation of these proceedings.

The International Society of Soil Mechanics and Geotechnical Engineering Technical Committee 33 on Scour of Foundations has the following objectives:

- 1) To promote and enhance professional activities in geotechnical engineering related to scour of foundations in general and scour at bridges in particular.
- 2) To sponsor sessions on scour of foundations at future ISSMGE international and regional conferences.
- 3) To promote international co-operation in research and dissemination of research results on scour problems.
- 4) To develop international guidelines for scour design, monitoring, and countermeasures.
- 5) To facilitate the development of an electronic data base of failures and successes.

It is hoped that the work of this committee including events like the one which lead to these proceedings will help improve the knowledge on scour of foundations and give engineers of all countries better tools to solve this major civil engineering problem.

College Station
June 23, 2000

Jean-Louis Briaud
Chair, ISSMGE-TC-33
Editor, ISSF proceedings

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