

Asian Technical Committee for earth reinforcement – Review of current state in earth reinforcement practice

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1 INTRODUCTION

Earth reinforcing techniques have become a useful and economical solution to many problems in geotechnical engineering practice. In recent years, considerable interest on this technique has been promoted both fundamental and practical studies as well as the development of various types of reinforcing materials. It follows that new techniques for earth reinforcement and their applications to geotechnical engineering practice are developing rapidly. Especially in Asia, there are many regional and difficult subsoils and many projects for earth reinforcement practice have been running around the whole area of Asia. But it is considered that the activities in each country so far have not been exchanged among Asian countries and these information should be exchanged in order to improve this technique.

The two international symposia for earth reinforcement, IS Kyushu '88 and '92, were held in Fukuoka, Kyushu, Japan, which had provided successful contributions for the development of earth reinforcement technique. The third symposium, IS Kyushu '96 was just finished last November in 1996. Not only these activities but also any other activities in Asia for earth reinforcement practice have been successfully organized.

2 OBJECTIVES

Under these circumstances, The Asian Technical Committee (Asian TC) has been organized under the Japanese Geotechnical Society. The objectives of this committee are:

- 1) to continue in developing and spreading the knowledge of earth reinforcement practice;
- 2) to facilitate the activities of earth reinforcement research in Asia; and
- 3) to support IS Kyushu '96.

3 ACTIVITIES

The contents of the activities are summarized as follows:

- 1) The establishment of Asian TC by Asian oriented members;
- 2) Construction of network system using electric mail(e-mail) among Asian TC members;
- 3) Exchanging of current situations of research and practice on earth reinforcement in each country ; and
- 4) Supporting IS Kyushu '96 for both technical and management points of view. organizing Asian TC members meeting at IS Kyushu '96.

In order to complete these activities, a Supporting Committee has been organized under the Japanese Geotechnical Society in Japan.

4 NEWSLETTER (ERA News)

And also, in order to exchange the information about each activity on earth reinforcement in Asia, Newsletter (ERA News) has been started to publish under this committee in every three or four month (three or four issues in each year) from 1996.

Followings are the possible contents of this ERA News:

- 1) MEMBERS NEWS: any news about earth reinforcement activities in Asia or some essays by the members;
- 2) DIARY OF EVENTS: information of upcoming conferences and symposia related to the topic on earth reinforcement ;
- 3) TECHNICAL REPORT: reports on the case histories of earth reinforcement practice including its design or construction methods in each countries; and
- 4) THE OTHERS

5 MEMBER OF THE COMMITTEE

Followings are the member of the committee:

Prof. Ochiai, H.: Chairman
Kyushu University, JAPAN
Prof. Otani, J.: Secretary
Kumamoto University, JAPAN

Members

Prof. Bergado, D.T.
Asian Institute of Technology, THAILAND
Dr. Cho, S-D.
Korea Institute of Technology
Construction, R. KOREA
Dr. Fukuda, N.
Fukken Co., Ltd., JAPAN
Prof. Guler, E.
Bogazici University, TURKEY
Prof. Huang C.C.
National Cheng Kung University,
TAIWAN, R.O.C.
Prof. Karunaratne, G.P.
National University of Singapore,
SINGAPORE
Prof. Kabir, M.H.
Bangladesh University of Engineering
and Technology, BANGLADESH
Prof. Madhav, M.R.
Indian Institute of Technology at
Kanpur, INDIA
Prof. Yang, Can-Wen
China Academy of Railway Sciences,
P.R. CHINA
Dr. Yeo, K.C.
Civil Engineering Department,
HONG KONG
Prof. Emiritus Wiseman, G.
Israel Institute of Technology, ISRAEL

6 JAPANESE SUPPORTING COMMITTEE

In order to enhance these activities, the Japanese Supporting Committee for Asian TC has been organized in the Japanese Geotechnical Society. The task of this committee is to support any activities by Asian TC. In this committee, three working groups have been set as follows:

- 1) Group I : TESTING METHODS
- 2) Group II : DESIGN METHODS
- 3) Group III : NUMERICAL ANALYSIS

The final reports for the results of each activity will be published as a technical paper here in the proceedings.

Each title of the papers are listed as follows:

- Group I: Testing methods of reinforcements for use in reinforced soil structures:
Group II: Present state and perspective of design methods of reinforced soil structures

Group III: Current state on numerical analysis of reinforced soil structures

7 MEMBER OF THE JAPANESE SUPPORTING COMMITTEE

Ochiai, H.: Chairman
Kyushu University, Japan
Prof. Otani, J.: Secretary
Kumamoto University, Japan
Dr. Fukuda, N.
Fukken Co., Ltd., Japan
Prof. Hayashi, S.
Saga University, Japan
Mr. Hirai, T.
Mitsui Petrochemical Industrial Products Ltd., Japan
Dr. Kodaka, T.
University of Tokyo, Japan
Dr. Kumagai, K.
Maeda Corporation, Japan
Prof. Kuwano, J.
Tokyo Institute of Technology, Japan
Dr. Miki, H.
Ministry of Construction, Japan
Dr. Murata, O.
Railway Technical Research Institute, Japan
Mr. Otani, Y.
Hirose & Co., Ltd., Japan
Mr. Sakaguchi, M.
Taisei Corporation, Japan
Dr. Ogisako, E.
Shimizu Corporation, Japan
Mr. Tayama, S.
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Kyushu University, Japan
Mr. Yamamoto, A.
Obayashi Corporation, Japan
Mr. Yokota, Y.
Maeda Kohsen Co., Ltd., Japan

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