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Geosynthetics in Civil and Environmental Engineering

Geosynthetics Asia 2008
Proceedings of the 4th Asian Regional Conference on Geosynthetics in Shanghai, China
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With 1,173 figures
Preface

The 4th Asian Regional Conference on Geosynthetics (Geosynthetics Asia 2008) was held on 17-20 June 2008, in Shanghai, China. The previous Asian Regional Conferences on Geosynthetics were held in Bangalore, India, 1997; Kuala Lumpur, Malaysia, 2000; and Seoul, Korea, 2004. Geosynthetics Asia 2008 was organized by the Chinese Chapter of International Geosynthetics Society (CCIGS) and the Chinese Technical Association on Geosynthetics (CTAG) with the support of the Shanghai Investigation Design and Research Institute (SIDRI), Zhejiang University, and Shanghai Hejie Tech & Trading Co. Ltd., under the auspices of the International Geosynthetics Society (IGS) and the Chinese Hydraulic Engineering Society (CHES).

China presently has numerous large-scale infrastructure developments in the planning stage or under construction. Some of the projects include the Development of Western Regions, the South to North Water Diversion, the 2008 Beijing Olympic Games, the 2010 Shanghai World-Expo. Geosynthetics Asia 2008 provided an excellent opportunity for the exchange of information amongst academia, professional engineers, and industrial suppliers of geosynthetics.

Under the conference theme, “Geosynthetics in Civil and Environmental Engineering”, a total 238 abstracts were submitted and 157 papers were collected in addition to the Special Lecture, the Mercer Lecture, 3 Keynote Lectures, and 8 Invited Reports. The topics of the research papers were related to fundamental principles and properties of geosynthetics, testing and test standards, physical tests and centrifuge tests, reinforcement, soil improvement and ground improvement, filter and drainage characteristics, landfill engineering, geosystem usage, transportation applications, geosynthetics-pile support systems and geocell usage, hydraulic applications, ecological techniques and case histories. The papers were from 22 countries and regions (i.e., Australia, Austria, Brazil, Canada, China, France, Germany, Greece, Hong Kong China, India, Iran, Italy, Japan, Jordan, Korea, Malaysia, Singapore, Thailand, Turkey, USA, Vietnam, and West Pacific). The Technical Committee of Geosynthetics Asia 2008, under the support of the Paper Review Board organized by persons from Zhejiang University, Tsinghua University, Tianjin University, Hohai University, Tongji University, and Shanghai University. The Technical Committee followed the guidelines of the International Geosynthetics Society (IGS) to ensure that a high technical standard was maintained for all papers. The Organizing Committee of Geosynthetics Asia 2008 would like to express their sincere gratitude to the Shanghai Investigation Design and Research Institute, Zhejiang University, Chinese Production Base on Geosynthetics—Lingxian, Shandong, Tai’an Modern Plastic Co. Ltd, Key Laboratory of Port Geotechnical Engineering of the Ministry of Communications, PRC, and CCCC-Tianjin Port Engineering Institute Ltd, for their generous financial support.

It is our desire that the Proceedings of the 4th Asian Regional Conference on Geosynthetics provide an opportunity for the exchange of views among the academicians, technocrats, and professional engineers. It is our belief that all sectors will benefit through the sharing of knowledge and experience related to the design and use of geosynthetics.

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