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MESSAGE FROM TC101 ON Laboratory Stress Strength Testing of Geomaterials

Prof. Junichi Koseki, Chair of TC101

Dear Members of ISSMGE,
Dear Colleagues,

ISSMGE TC 101 (formerly TC-29) was founded in 1994, after the successful 1st International Symposium (IS) on the Pre-failure Deformation Characteristics of Geomaterials held in Sapporo, Hokkaido, Japan. To date, it has completed full five terms: two with Professor F. Tatsuoka as Chairman (1994-2001), another two with Professor R. Jardine (2001-2009) and one with Professor H. di Benedetto (2009-2013). At present in the sixth term (2013-2017), 41 members from 25 member societies are serving as the active members of TC101.

Under the terms of reference as shown in what follows, TC 101 covers all aspects of laboratory testing. It has thus organized many International Symposia (ISs) and workshops, and provides opportunities for international exchanges, through regular ISs and workshop meetings.

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Photo 1 Chair (Junichi Koseki, Japan in the center), Vice chair (Lyesse Laloui, Switzerland, on the left) and Secretary (Erdin Ibraim, UK on the right) of TC101

Message from the new ISSMGE TC 101 Chair (CONTINUED)

Its mission is:

- To promote co-operation and exchange of information concerning research and developments in advanced laboratory geotechnical testing, including apparatus, techniques, data acquisition and interpretation.
- To encourage the application of advanced laboratory testing in research; in integrated site characterization studies; and in ground modelling.
- To explore how advanced testing can be used most constructively in practical geotechnical engineering.
- To advance the above aims through collaboration with specialists working in laboratory and field testing, sampling, theoretical and numerical analysis, and in project engineering and full scale observation. This will involve close liaison with other ISSMGE Technical Committees.

For example, refer to Fig. 1.



Photo 2 Meeting of TC101 held in Bristol, UK (March, 2014)

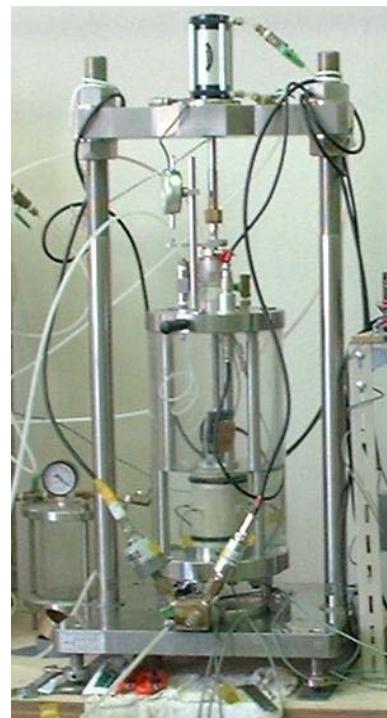
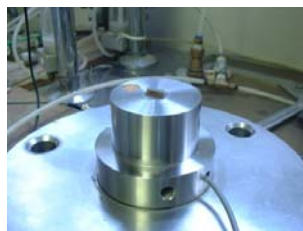
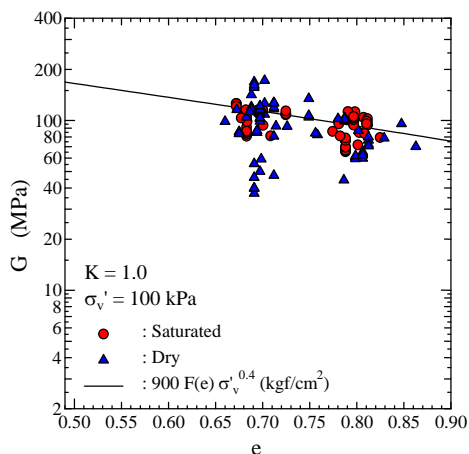


Figure 1 Typical results from international parallel tests on the measurement of G_{\max} using Bender elements (Yamashita et al., 2008) and a triaxial test apparatus with Bender elements at Kitami Institute of Technology, Japan (by courtesy of Prof. S. Yamashita)

Message from the new ISSMGE TC 101 Chair (CONTINUED)

TC101 established Bishop Lecture in commemoration of late Professor Alan W. Bishop, which is delivered by the world's most distinguished figures in experimental soil mechanics. The 1st Bishop Lecture was delivered by Professor Fumio Tatsuoka at the 5th International Symposium on Deformation Characteristics of Geomaterials in Seoul, Korea, 2011 (Photo 3). The 2nd Bishop Lecture was delivered by Professor Richard Jardine at the 18th International Conference on Soil Mechanics and Geotechnical Engineering in Paris, France, 2013 (Photo 4). The lecture slides can be downloaded from <http://tc101.iis.u-tokyo.ac.jp/bishop.html>

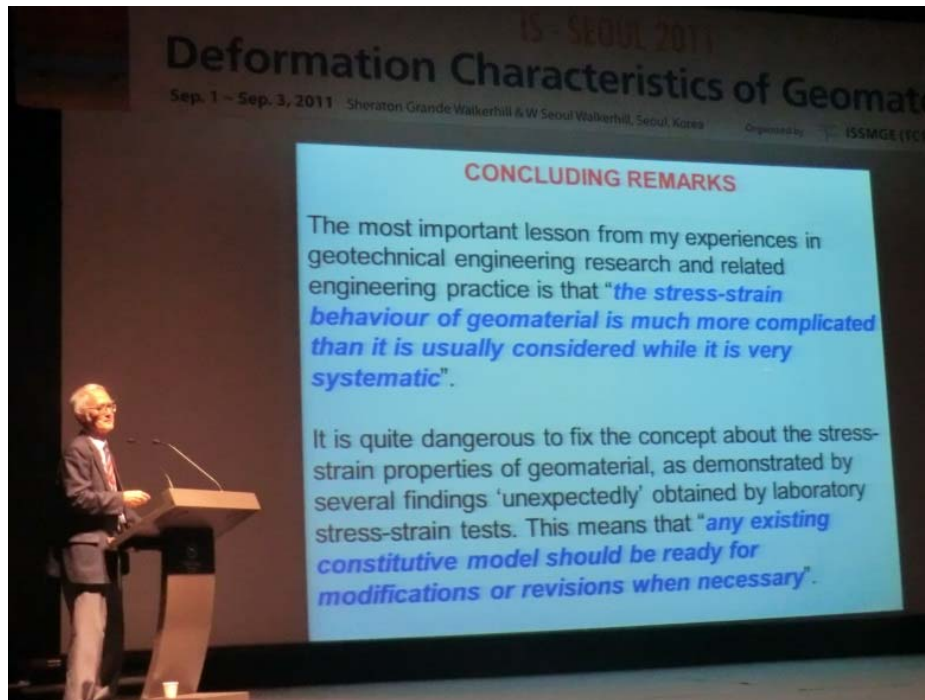


Photo 3 The 1st Bishop Lecture by Prof. F. Tatsuoka in 2011



Photo 4 The 2nd Bishop Lecture by Prof. R. Jardine in 2013 (by courtesy of Prof. R. Kuwano)

Message from the new ISSMGE TC 101 Chair (CONTINUED)

In 2015, TC101 will organize the 6th International Symposium on Deformation Characteristics of Geomaterials in Buenos Aires, Argentina (Photo 5), in collaboration with La Sociedad Argentina de Ingeniería Geotécnica (SAIG), where the 3rd Bishop Lecture will be delivered by Prof. H. di Benedetto. On-line submission of abstracts for this symposium is open until July 1, 2014

<http://conferencesba2015.com.ar/website/sixt-international-symposium-on-deformation-characteristics-of-geomaterial/welcome/>



Photo 5 View of Buenos Aires (by courtesy of Prof. V. Rinaldi)

For further information on the activities of TC101, please visit our web site at <http://tc101.iis.u-tokyo.ac.jp/index.html>

References

Tatsuoka, F. (2011) "Laboratory stress-strain tests for developments in geotechnical engineering research and practice," Proc. of 5th International Symposium on Deformation Characteristics of Geomaterials, Seoul.

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