
Technical Committee	TC207 – Soil-Structure Interaction and Retaining Walls
Schedule / Location	TBD
Chair Person	Dr. Michael Lisyuk, Director, Georeconstruction Engineering Co, Russia.
Vice Chair	Prof. Vladimir Ulitsky, Professor, Saint Petersburg Transport University, Russia.
Secretary General	Prof. Deepankar Choudhury, Professor, IIT Bombay, Mumbai, India.

Description

The classical topic of research and application in the domain of soil-structure interaction and retaining walls is getting more attention to the geotechnical engineers in recent past due to the vast infrastructure development works all over the world. This workshop of TC 207 aims to find out and discuss the recent advances in area of soil-structure interaction and design of retaining walls internationally. Speakers will provide the insight of fundamental to practical research applications of soil-structure interactions for various geotechnical structures like pile foundations, combined pile-raft foundation, slope, embankment, anchors etc. Various case studies will be discussed to highlight the complexities involved in the field application of soil-structure interaction problems. To conclude, a discussion session will take place with recommendations for future research and applications in this area with a possibility to bring out international design guideline for handling complex soil-structure interaction problems which will be beneficial for the society.

Speakers

[Global scale numerical modelling of a geosynthetic reinforced, column supported embankment](#)

Chris Haberfield and Dan King, Principle, Golder, Australia

[Soil-Structure Interaction between Support Elements and steep creeping slopes](#)

Rolf Katzenbach, Professor, Institute for Geotechnics, Technische Universität Darmstadt, Germany

[Evaluation of a resilient breakwater foundation against earthquakes using model tests and numerical simulations](#)

Babloo Chaudhary, Hemanta Hazarika, Kengo Nishimura, Akira Murakami and Kazunori Fujisawa, Kyushu University, Japan

[Important aspects of Soil-Structure interaction for complex projects](#)

Vladimir Ulitsky and Michael Lisyuk, Director, Georeconstruction Engineering Co, Russia

Experience with deep pit excavation in Istanbul and mono shaft foundation of 100m Tower

Yasser El-Mossallamy, Professor, Ain Shams University, Egypt

Dynamic Soil-Structure Interactions in combined pile-raft foundations – theory to practice

Deepankar Choudhury, Professor, IIT Bombay, Mumbai, India

A practical test method for predicting the resistances of inclined loaded piles in sand

Kari Avellan, Director, KAREG, Finland

Design capacity of partially plugged piles at port of Koper

Vojkan Jovičić, Associate Professor, University of Ljubljana, Slovenia

Physical modelling of anchor plate in methane hydrate bearing soils

Fang Liu, Professor, College of Civil Engineering, Tongji University, China

An analytical study on the effect of the type of study and software on the prediction of behaviour of piled raft on sand

Venkataraman Balakumar, Simplex, Chennai, India

Geotechnical aspects of bearing capacity classification for existing railway bridges in Croatia

Igor Sokolić, Senior Consultant, Geotehnicki Studio, Croatia

Behavior of pile-raft foundations under cyclical loads

Ilizar Mirsayapov, Professor, Kazan Civil Engineering University, Russia

Improvement of Soil Strengthening Technologies during Reconstruction in Conditions of Dense Urban Development

Talal Awwad, Advisor to the Rector, L.N. Gumilyov Eurasian National University, Kazakhstan

Vladimir Gruzin, Professor, Kazakh Agro Technical University, Astana, Kazakhstan

Bearing performance of new and old piles in natural saturated soils

Weibing Gong, Master of Arts, College of Civil Engineering, Tongji University, China
