

GeoMEast 2017

Lecture in Honor of Prof. Silvano Marchetti



Sharm El-Sheikh, 17 July 2017

<http://www.geomeast2017.org/En/97/Details.aspx>

IN MEMORY OF A GREAT INVENTOR

In Situ Testing using the Marchetti Flat Dilatometer (DMT) and Seismic Dilatometer (SDMT)

From Diego Marchetti

The presentation will start with a memorial of Prof. Silvano Marchetti, the inventor of the Flat Dilatometer who passed away on the 21 December 2016.

After a brief introduction on the equipment and test procedure, the presentation will address the interpretation of the data, with particular focus on the key DMT parameters ID, ED and KD and their relation to the geotechnical parameters usable for engineering design. World-wide validations will be shown in international research sites and also in real case projects. The presentation will describe the main applications for which the SDMT test results are used, with some case histories on shore and offshore.