

PROGRAMME OF THE ETC-12 ATHENS WORKSHOP

FRIDAY (January 20, 2006)

3:00 p.m.	OPENING ADDRESS - G. Bouckovalas
3:30 p.m.	SESSION 1 - M. Maugeri, G. Lanzo
	<ul style="list-style-type: none">- Design response spectra and soil classification for seismic code provisions. <i>K. Pitilakis, Ch. Gazepis, A. Anastasiadis</i>- Compatibility of EC-8 ground types and site effects with 1-D wave propagation theory. <i>G. Bouckovalas, A. Papadimitriou, D. Karamitros</i>- Dynamic characterization according to EC-8 and its effects on the assessment of seismic actions. <i>D. Lo Presti, E. Mensi, N. Squeglia</i>- Selection and scaling of real acceleration time histories for site response analyses. <i>A. Ansal, E. Durukal, G. Tonuk</i>- Site Characterization at the Catania city, Italy. <i>A. Cavallaro, S. Grasso, M. Maugeri</i>
4:45 p.m.	SESSION 2 - K. Pitilakis, E. Cascone
	<ul style="list-style-type: none">- Some comments on the EC-8 prescriptions for the evaluation of soil liquefaction. <i>D. Lo Presti, E. Mensi, N. Squeglia</i>- Liquefaction: a contribution to the Eurocodes from the Italian guidelines "Geotechnical Aspects of the Design in Seismic Areas". <i>F. Santucci de Magistris</i>- Application of EC-8 for the assessment of liquefaction potential and for the seismic response of a river embankment. <i>Ch. Vrettos</i>- A modified Newmark-type analysis according to EC-8 requirements for seismic stability of natural slopes. <i>G. Biondi, M. Maugeri</i>- Slope stability analysis according to EC-8 and Italian seismic regulations. <i>A. L. Simonelli, S. Sica, F. Moccia</i>
6:00 p.m.	COFFEE BREAK
6:30 p.m.	SESSION 3 - G. Gazetas, F. Santucci de Magistris
	<ul style="list-style-type: none">- Numerical investigation of 3D seismic amplification by real steep topographic profiles and check of the EC-8 topographic amplification coefficients. <i>R. Paolucci</i>- Aggravation of seismic ground motion due to slope topography. <i>A. Papadimitriou, G. Bouckovalas</i>- Numerical study of topography effects at the Nicastro (southern Italy) cliff and comparison with EC-8 recommendations. <i>A. Pagliaroli, G. Lanzo, B. D'Elia</i>- Pseudo-static and pseudo-dynamic gravity wall design according to EC-8. <i>A. L. Simonelli</i>- Pseudo-static seismic design of embedded retaining structures. <i>L. Callisto</i>
7:45 p.m.	SESSION 4 - A. Simonelli, A. Kaynia, G. Tonuk
	<ul style="list-style-type: none">- Soil plasticity and uplifting effects on soil-structure interaction. <i>G. Abate, M.R. Massimino, M. Maugeri</i>- Supplementary criteria for shallow foundation design close to seismically active faults. <i>R. Paolucci, M.T. Yilmaz</i>- On the design of structures to resist fault displacements, with application in Greece. <i>I. Anastasopoulos, G. Gazetas</i>- Suggestions and comments on EC-8 geotechnical provisions: <i>K. Pitilakis</i>

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SATURDAY (January 21, 2006)

DISCUSSION SESSION <i>R. Frank, A. Ansal, G. Gazetas, G. Bouckovalas.</i>	
9:30 a.m.	Ground conditions and seismic actions (EC-8 Part 1: chapter 3, Part 5: chapter 2). <i>G. Bouckovalas, A. Anastasiadis</i>
10:00 a.m.	Topography effects (EC-8 Part 5: annex A). <i>K. Pitilakis, Ach. Papadimitriou</i>
10:30 a.m.	Ground properties (EC-8 Part 5: chapter 3 & section 4.2). <i>D. Lo Presti, N.Squeglia</i>
11:00 a.m.	Proximity to seismically active faults (EC-8 Part 5: paragraph 4.1.1). <i>R. Paolucci</i>
11:30 a.m.	C O F F E E B R E A K
12:00 a.m.	Slope stability (EC-8 Part 5: paragraph 4.1.2). <i>M. Maugeri, M.R. Massimino</i>
12:30 a.m.	Potentially liquefiable soils (EC-8 Part 5: paragraph 4.1.3 & annex B). <i>D. Lo Presti, Ch. Vrettos</i>
1:00 p.m.	a. Shallow foundations (EC-8 Part 5: chapters 5 and annex F) b. Deep foundations (EC-8 Part 5: paragraph 5.4.2, chapter 6 and annex C) c. Soil-structure interaction (EC-8 Part 5: chapter 6 and annex D) <i>G. Gazetas, G. Milonakis</i>
1:45 p.m.	Earth retaining structures (EC-8 Part 5: chapter 7 and annex E). <i>A. Simonelli, L. Callisto</i>
2:15 p.m.	CLOSURE
2:30 p.m.	L U N C H

NOTE: The discussion on each topic will start with a 10' introduction by the *General Reviewers (G.R.'s.)*, followed by comments by the audience. The introduction will include an overview of code provisions, relevant contributions of this workshop, as well as the G.R.'s recommendations. The main conclusions from each discussion session will be summarized by the G.R.'s. in a separate chapter of the final report that will be prepared (after the workshop), as an account of the ETC-12 activities.