

Protection of Cultural Heritage from seismic risk

Thessaloniki, 3-5 November 2011

TRAINING SCHOOL PROGRAM

Thursday, November 3, 2011

9:00÷9:30	Registration
9:30÷10:00	Opening Ceremony
10:00÷11:30	1st Session: Vulnerability, Risk Assessment for Monuments I Chair: Lekidis Vassilis, Miltiadou Androniki <ol style="list-style-type: none">1. LAGOMARSINO SERGIO: Guidelines for assessment and protection of monuments in seismic areas2. TASSIOS THEODOSIOS: Compressive strength and critical deformation of masonry under seismic actions3. SHENDOVA VERONIKA: Protection of Cultural Heritage from Man-made and Natural Disasters
11:30÷12:00	Discussion
12:00÷12:30	Coffee break
12:30÷14:00	2nd Session: Case Studies I Chair: Tassios Theodosios, Vintzilaiou Elli <ol style="list-style-type: none">4. PENELIS GIORGOS, STYLIANIDIS KOSMAS & IGNATAKIS CHRISTOS: Strengthening of the Rotunda Minaret in Thessaloniki5. VINTZILAIUO ELLI: Testing a cross vault and a two storey stone masonry building on the earthquake simulator: preliminary experimental results6. MILTIADOU ANDRONIKI: Interventions for the improvement of the aseismic behavior of masonry monuments: problems, possibilities, perspectives
14:00÷14:30	Discussion
14:30÷16:00	Lunch break
16:00÷17:30	3rd Session: Case Studies II Chair: Ignatakis Christos, Pitilakis Kyriazis <ol style="list-style-type: none">7. CACTI-DURUKALESER: Earthquake Performance and Protection of Hagia Sophia Museum and Suleymaniye Mosque8. DRITSOS STEFANOS: Documentation of a Multi-storey Masonry Building: Corfu Case study9. IGNATAKIS CHRISTOS & STYLIANIDIS KOSMAS: Mechanical characteristics of virgin and strengthen old brick masonry: Experimental and analytical research
17:30÷18:00	Discussion
18:00÷18:30	Coffee break
18:30÷20:00	4th Session: Vulnerability, Risk Assessment for Monuments II

	<p>Chair: Kappos Andreas, Patias Petros</p> <p>10. KAPPOS ANDREAS: Available methods for the analysis of structural response of monuments and criteria for their selection</p> <p>11. KARANTONI FYLLITSA: Configuration and vulnerability of masonry buildings</p> <p>12. PATIAS PETROS & GEORGOULA OLGA: Contemporary surveying technologies in monument documentation</p>
20:00÷20:30	Discussion

Friday, November 4, 2011

9:00÷9:30	Reception
9:30÷11:00	<p>1st Session: Seismic Hazard Assessment I</p> <p>Chair: Kiratzi Anastasia, Theodulidis Nikolaos</p> <p>13. THEODULIDIS NIKOLAOS: Monuments and Seismic Design Actions</p> <p>14. KARAKOSTAS VASSILIOS: Recent Advances in Seismology with Impact to Monument Protection</p> <p>15. SCORDILIS EMMANUEL & HATZIDIMITRIOU PANAGIOTIS: Recent models for earthquake prediction: contribution of Hellenic unified seismological network</p>
11:00÷11:30	Discussion
11:30÷12:00	Coffee break
12:00÷13:30	<p>2nd Session: Seismic Hazard & Seismic Risk Assessment II</p> <p>Chair: Papadimitriou Eleftheria, Papazachos Konstantinos</p> <p>16. DRAKATOS GEORGIOS: The contribution of Seismology for monuments protection</p> <p>17. VOULGARIS NIKOLAOS: Estimation of Seismic Hazard for Monuments</p> <p>18. MAKRIS NIKOS: Seismic response of free-standing monolithic and multidrum columns of ancient monuments</p>
13:30÷14:00	Discussion
14:00÷15:30	Coffee break
15:30÷17:00	<p>3rd Session: Vulnerability, Risk Assessment for Monuments I</p> <p>Chair: Pantazopoulou Stavroula, Sextos Anastasios</p> <p>19. SEXTOS ANASTASIOS: Numerical analysis methods for the assessment of seismic capacity of historical structures and monuments</p> <p>20. SYRMAKEZIS KONSTANTINOS: Design-Reinforcement of historical structures</p> <p>21. SALONIKIOS THOMAS & LEKIDIS VASSILIS: Seismic activity in Peloponnesus (Greece) and response of monumental masonry structures-Seismic evaluation, design and inelastic analysis</p>
17:00÷17:30	Discussion
17:30÷18:00	Coffee break
18:00÷19:30	<p>4th Session: Vulnerability, Risk Assessment for Monuments II</p> <p>Chair: Penelis Georgios, Dritsos Stefanos</p>

	<p>22. PANTAZOPOULOU STAVROULA: Simplified Model for Seismic Assessment of Traditional Heritage Stone–Masonry Buildings</p> <p>23. PENELIS GEORGIOS: Quasi–Elastic Static Analysis of URM Monuments</p> <p>24. PITILAKIS DIMITRIS, KARATZETZOU ANNA, TSINIDIS GRIGORIS & PITILAKIS KYRIAZIS: Seismic vulnerability of monuments: Improvement of seismic risk assessment of monuments and historical aggregates</p>
19:30÷20:00	Discussion – Concluding Remarks

Saturday, November 5, 2011

Visit to three monuments in Thessaloniki – Case Studies
Penelis Georgios, Ignatakis Christos, Stylianidis Kosmas

9:00÷9:30	Pre-gathering of the participants at “Kamara” Square and separation in three teams – Then, team rotation to visit the monuments
10:00÷12:00	<p>1st Team: Rotunda</p> <p>2nd Team: Acheiropoiitos Church</p> <p>3rd Team: Saint Panteleimon Church</p>