

Thursday, June 28th - WORKSHOP 2

Workshop 2: Geotechnical earthquake engineering related to monuments and historical centres

Chairmen: Dr Christos Tsatsanifos (Greece), Prof. Kyriazis Pitilakis (Greece)
Secretary: Olga-Joan Ktenidou

HALL 4 - KASSANDROS

Panelists: : Prof. Stavros Bandis, Dr. Efrain Ovando-Shelley, Prof. Ioannis Psycharis

10:00-10:15	Christos TSATSANIFOS and Kyriazis PITILAKIS	INTRODUCTION
10:15-10:30	Ioannis PSYCHARIS	USING CLASSICAL MONUMENTS FOR THE ASSESSMENT OF PAST EARTHQUAKE SCENARIOS
10:30-10:45	Efrain OVANDO-SHELLEY, Marcia PINTO DE OLIVEIRA, Enrique SANTOYO	REGIONAL SUBSIDENCE AND EARTHQUAKES AS THREATS TO ARCHITECTURAL MONUMENTS IN MEXICO CITY
10:45-11:00	Stavros BANDIS, Christos SCHINAS, Elias BAKASIS	DESIGN AND IMPLEMENTATION OF ENGINEERING MEASURES FOR THE PROTECTION OF A HISTORICAL MONUMENT AT THE SEISMIC AREA OF MOUNT ATHOS PENINSULA GREECE
11:00-11:10	Yoshinori IWASAKI, Mahmoud NEJATI	DAMAGES OF EARTHEN STRUCTURES AT ARG-E-BAM CAUSED BY THE EARTHQUAKE OF DEC. 26, 2003, THE CITADEL AT BAM, IRAN
11:10-11:20	Antonio COSTANZO, Anna D' ONOFRIO, Giuseppe LANZO, Alessandro PAGLIAROLI, Augusto PENNA, Rodolfo PUGLIA, Filippo SANTUCCI DE MAGISTRIS, Stefania SICA, Francesco SILVESTRI, Paolo TOMMASI	SEISMIC RESPONSE OF HISTORICAL CENTERS IN ITALY: SELECTED CASE STUDIES
11:20-11:30	Antonio COSTANZO, Anna D' ONOFRIO, Francesco SILVESTRI	NUMERICAL SIMULATIONS OF THE GROUND DEFORMATION RECORDED IN THE HISTORICAL TOWN OF GERACE DURING THE SEISMIC EVENTS IN CALABRIA (1783)
11:30-11:40	DI CAPUA Giuseppe, OMPAGNONI Massimo, CURTI Emanuela, LEMME Alberto, PEPPOLONI Silvia, PERGALANI Floriana, PODESTI Stefano	CORRELATION BETWEEN LOCAL AMPLIFICATION EFFECTS AND DAMAGE MECHANISMS FOR MONUMENTAL BUILDINGS
11:40-11:50	Sayed HEMEDA, Kyriazis PITILAKIS, Ioanna PAPAYIANNI, Stavros BANDIS, Mohamed GAMAL	UNDERGROUND MONUMENTS (CATACOMBS) IN ALEXANDRIA, EGYPT
11:50-12:00	Edmund MEDLEY, Dimitrios ZEKOS	SEISMIC PERFORMANCE OF ROCK BLOCK STRUCTURES WITH OBSERVATIONS FROM THE OCTOBER 2006 HAWAII EARTHQUAKE
12:00-12:10	Naoyuki OTA, Tomoyasu SUGIYAMA, Katsuya OKADA, Yuki YAMADA, Osamu NUNOKAWA, Toshishige FUJII	DEFORMATION MECHANISMS OF RETAINING MASONRY WALLS SUBJECTED TO EARTHQUAKE
12:10-12:20	Nikolaos ARGYRIOU, Olga-Joan KTENIDOU, Maria MANAKOU, Pashalis APOSTOLIDIS, Francisco CHAVEZ GARCIA, Kyriazis PITILAKIS	SEISMIC RESPONSE ANALYSIS OF ANCIENT COLUMNS
12:20-12:30	Roosbeh ETTEHAD, Hamed JAHANGIRI	A RESEARCH ON THE PERFORMANCE OF THE CONCRETE STRUCTURES AND THE REASONS OF THEIR FAILURE IN BAM EARTHQUAKE AND DESIGN SUGGESTIONS
12:30-12:40	Anastasios G. SEXTOS, Kosmas C. STYLIANIDIS	SEISMIC PERFORMANCE OF THE 4 TH CENTURY A.D., BYZANTINE LAND WALLS OF THE CITY OF THESSALONIKI, GREECE
12:40-12:50	Costas SYRMAKEZIS, Athanasios ANTONOPOULOS, Olga MAVROULI	EARTHQUAKE RESPONSE AND VULNERABILITY ASSESSMENT OF MASONRY STRUCTURES
12:50-13:00	STIROS Stathis C., KONTOGIANNI, Villy, A.	THE INVERSE PROBLEM: MODELLING PAST EARTHQUAKES FROM THEIR EFFECTS ON ANCIENT CONSTRUCTIONS - THE CASE OF THE AD365 EAST MEDITERRANEAN EARTHQUAKE
13:00-14:00	Lunch Break	
14:00-14:10	Rachel TETLEY, Gopal MADABHUSHI	VULNERABILITY OF ADOBE BUILDINGS UNDER EARTHQUAKE LOADING
14:10-14:20	Elizabeth VINTZILEOU	GROUTING OF THREE-LEAF MASONRY: EXPERIMENTAL EVIDENCE ON COMPRESSIVE AND SHEAR STRENGTH ENHANCEMENT
14:20-14:30	Erbol SHAIMERDENOV, Askar ZHUSUPBEKOV, Tursun ZHUNISOV	INFLUENCE OF ENGINEERING AND GEOLOGICAL ENVIRONMENT ON ARCHITECTURE'S MONUMENTS
14:30-14:40	Yoshimori IWASAKI	EFFECT OF STRONG WIND TO THE CENTRAL TOWER, BAYON, ANGKOR THOM, CAMBODIA
14:40-14:50	Nicos MAKRIS, Theodoros PSYCHOGIOS	THE RECONSTRUCTION OF THE TEMPLE OF ZEUS AT NEMEA: RECENT PROGRESS AND FUTURE PERSPECTIVES
14:50-15:40	Moderators	Discussion - Conclusions