

OVERVIEW			
MONDAY, 25.10.2021	8:00-9:00	REGISTRATION	
	9:00-9:30	ROOM 1	
		OPENING	
	9:30-11:00	ROOM 1	
		KEYNOTE LECTURES <i>Theodosios P. Tasios, Ioan Andreescu, Antonia Moropoulou</i>	
	11:00-11:30	Coffee Break	
	11:30-13:30	ROOM 1 ARCHITECTURAL HERITAGE	ROOM 2 HERITAGE
		Lunch Break	
	14:30-16:30	ROOM 1 3D SURVEY MODELLING	ROOM 2 ARCHYTAS WORKSHOP - I
		Coffee Break	
17:00-19:00	ROOM 1 PROTECTION AND RETROFITTING - I	ROOM 2 ARCHYTAS WORKSHOP - II	
	20:00 WELCOME RECEPTION (Royal Olympic Hotel)		
TUESDAY, 26.10.2021	09:20-10:30	ROOM 1	
		KEYNOTE LECTURES <i>Vasiliki Eleftheriou, Lidija Krstevska</i>	
	10:30-11:00	Coffee Break	
	11:00-13:30	ROOM 1 PROTECTION AND RETROFITTING - II	ROOM 2 EXPERIMENTAL TESTS AND PROTECTION
		Lunch Break	
	14:30-16:30	ROOM 1 MASONRY, STONE AND TIMBER CONSTRUCTIONS	ROOM 2 ROBUSTNESS, VULNERABILITY AND RISK
		Coffee Break	
	17:00-19:30	ROOM 1 NUMERICAL MODELLING	ROOM 2 SUSTAINABILITY AND RE-USE
		ROOM 1 CLOSING	
	19:30-20:00	20:30 CONFERENCE DINNER (Ventiri Restaurant)	
27.10.2021	10:00-16:00	Technical visit: Poseidon Temple in Sounion (optional)	

MONDAY, 25 OCTOBER 2021

9:00-9:30

ROOM 1: OPENING

GREETINGS

Evangelos Sapountzakis, Vice Rector of NTUA

Federico Mazzolani, Co-Chair: PROHITECH 2020

MONDAY, 25 OCTOBER 2021

9:30-11:00

ROOM 1: KEYNOTE LECTURES

Chair: *Elizabeth Vintzileou, Hartmut Pasternak*

19291 DESIGN AND CONSTRUCTION CHARACTERISTICS OF ANCIENT GREEK PUBLIC WORKS *

Theodosios P. Tasios

18927 RESHAPING THE SPACE. THE LARGER GOALS OF HISTORIC PRESERVATION AND PROTECTION

Ioan Andreescu

19292 THE RESTORATION OF THE VAULT OF THE HOLY TOMB IN JERUSALEM

Antonia Moropoulou

MONDAY, 25 OCTOBER 2021

11:30-13:30

ROOM 1: Architectural Heritage Chair: <i>Maria-Eleni Dasiou, Michalis Fragiadakis</i>	ROOM 2: Heritage Chair: <i>Andreas Spiliopoulos, Eleni-Eua Toumpakari</i>
18461 THE URBAN REFUGEE SETTLEMENTS OF XANTHI (1922-1930): RECORDING AND TYPOLOGICAL-MORPHOLOGICAL ANALYSIS OF THE EXISTING REFUGEE DWELLINGS <i>Eirini Chara Tsetine, Nikolaos Lianos</i>	18431 THE 100 YEARS OF BAUHAUS - THE NEUFERT BUILDING IN WEIßWASSER, GERMANY <i>Hartmut Pasternak, Thomas Krausche, Natasa Zivaljevic-Luxor</i>
18531 THE REHABILITATION OF THE HISTORICAL BRIDGE OF KONITSA: A DOCUMENTATION-BASED INVESTIGATION OF STRUCTURAL BEHAVIOUR <i>Christos Giannelos, Elizabeth Vintzileou</i> *	18695 THE HISTORIC FRENCH WHARF IN LAVRIO : DOCUMENTATION, CONSERVATION, REUSE, REVITALIZATION <i>Irene Efesiou, Nikolaos Belavilas, Andreas Georgopoulos, Maria Balodimou, N. Athanasopoulou</i> *
18666 TECHNOLOGY, DIAGNOSIS AND STRUCTURAL ASSESSMENT ON TIMBER COMPOSITE BEAMS IN VENICE ARSENAL AT THE BIENNALE <i>Clara Bertolini-Cestari, Luciana Cestari, Stefano Invernizzi, Tanja Marzi, Olivia Pignatelli, Mariangela Rossino</i> *	18620 PRESENTATION AND EVALUATION OF THE LOADING AND UNLOADING MECHANISMS OF THE INDUSTRIAL FRENCH WHARF OF LAVRION <i>Nikolaos Rogkas, Georgios Vasileiou, Vasilios Spitas, Ioannis Antoniadis</i>
19055 THE ARCHITECTURE OF THE CHURCH OF PANAGIA FANEROMENI IN ZAKYNTHOS AND THE TRANSFORMATIONS OF THE MONUMENT AS A LANDMARK (1644-20TH CENTURY) <i>Anastasia Kapandriti, Nikolaos Lianos</i>	18628 THE BULGARIAN ARCHITECTURAL COMPLEX AT THE GOLDEN HORN IN CONSTANTINOPLE <i>Marina Traykova, Blagovesta Ivanova</i> *
18743 TECHNOLOGICAL EVOLUTION OF HISTORIC MORTARS: FROM LIME-BASED MORTARS TO ROMAN OPUS CAEMENTICIUM <i>Dafni Kyropoulou, Eustratios Heliades, Petros Karalis, Georgios Diamantopoulos, Sophia Gougoura, Elissavet Dotsika</i> *	18614 UKRAINE’S CULTURAL HERITAGE OBJECTS WITHIN LANDSLIDE HAZARDOUS SITES <i>Oleksandr Trofymchuk, Oleksij Lebid, Viktoriia Berchun, Yaroslav Berchun, Iurii Kaliukh</i> *
18774 STABLE ISOTOPE FOR TRACING THE SALT INVOLVED IN THE DEGRADATION OF STONE MONUMENTS <i>Petros Karalis, Maria Tassi, Sofia Gougoura, Georgios Diamantopoulos, Dafni Kyropoulou, Eustratios Heliades, Emmanouil Palaigeorgiou, Elissavet Dotsika</i> *	18721 RESEARCH ABOUT THE TECHNIQUES SUSTAINABLE TO BE ADOPTED IN CONSERVATION THE SANTA TERESINHA CHAPEL <i>Camila Innocencio, Maria Teresa Barbosa</i> *
18801 CONDITION ASSESSMENT OF CULTURAL HERITAGE BUILDINGS IN THE HISTORIC STRAND DISTRICT OF GALVESTON <i>Saadet Toker Beeson, Angela Lombardi, Kasim Korkmaz</i> *	18687 THE TECHNICAL STATE EVALUATION AND PROTECTION MEASURES DEVELOPMENT FOR THE REFECTORY CHAMBER BUILDING WITH THE CHURCH OF THE NATIONAL KYIV-PECHERSK RESERVE <i>Yurii Melashenko, Asya Kisil, Yuriy Ishchenko, Evgeniya Pavliuk, Nicolay Marienkov</i> *
18655 EARTH ARCHITECTURE IN ÇATALHÖYÜK, KONYA, TÜRKIYE. <i>Selin Duran, Yesim Kamile Aktuglu</i> *	19246 STATIC ANALYSIS AND RETROFITTING OF THE OLD TIMBER ROOF STRUCTURES FOR THE STORAGE HERITAGE BUILDING IN KUSTENDIL, BULGARIA <i>Petar Grekov, Anton Gorolomov, Doncho Partov, Nikolay Tuleshkov, Miloš Drdäcký, Gaetano Pianese</i> *
18467 CULTURAL HERITAGE EXPOSED TO NATURAL HAZARDS: THE CASE STUDY OF THE CONVENT OF SAN DOMENICO IN MAIORI <i>Raffaele Landolfo, Cristiana Tarantino, Lucrezia Cascini, Francesco Portioli</i>	
19087 TECHNICAL STUDY OF METAL HOUSES THAT ARE PART OF THE KONGO – CENTRAL’S HERITAGE <i>Aris Mpemba Nkole Kabongo, Jean-Pierre Jaspert, Jean-François Demonceau</i>	

MONDAY, 25 OCTOBER 2021

14:30-16:30

ROOM 1: 3D Survey Modelling Chair: <i>Ioan Andreescu, Dimitrios Karagkounis</i>	ROOM 2: Archytas Workshop - I Chair: <i>Vlasis K. Koumousis, Michalis Fragiadakis</i>
<p>19095 DIGITAL DOCUMENTATION AND 3D MODELLING IN THE RESTORATION OF THE FIRST ANCIENT THEATRE OF LARISSA, GREECE <i>Dimitrios Karagkounis, Sofia Tsanaktsidou</i></p>	<p>18563 THE ARCHYTAS INTELLIGENT DECISION-SUPPORT SYSTEM FOR THE PROTECTION OF MONUMENTAL STRUCTURES <i>Dimitrios Vamvatsikos, Michalis Fragiadakis, Ioannis-Orestis Georgopoulos, Vlasis K. Koumousis, Demetris Koutsoyiannis, Alexandros Manetas, Vasileios E. Melissianos, Christos Papadopoulos, Konstantinos E. Papanikolopoulos, Eleni-Eua Toumpakari</i></p>
<p>18780 DISPLACEMENTS WITH REMOTE SENSING AND STANDARD GROUND SURVEY FOR THE BENEDICTINE BASILICA OF S. ANGELO IN FORMIS (SOUTHERN ITALY) * <i>Gianpiero Russo, Luca di Girolamo, Diego Di Martire, Donato Infante, Gabriella Marone, Massimo Ramondini</i></p>	<p>19249 EVALUATING THE PATHOLOGY AND SAFETY OF THE HISTORIC STRUCTURES: THE BIG PICTURE VS. USUAL DELUSIONS <i>Christos Papadopoulos</i></p>
<p>19093 PROPOSAL FOR THE RESTORATION OF THE SKENE OF THE FIRST ANCIENT THEATRE OF LARISSA, GREECE <i>Dimitrios Karagkounis, Sofia Tsanaktsidou</i></p>	<p>19303 INSTALLATION OF A STRUCTURAL HEALTH MONITORING SYSTEM AT THE HOROLOGION OF ANDRONIKOS KYRRISTOS <i>Konstantinos Papanikolopoulos, Ionnis-Orestis Georgopoulos, Panagiotis Triantafyllos</i></p>
<p>18812 COMPREHENSIVE MANAGEMENT SYSTEMS OF THE QUITO HERITAGE. CHURCH THE COMPAÑÍA DE JESÚS * <i>Juan Enrique Nieto, M. Lenin Lara, Juan Moyano</i></p>	<p>19125 PRELIMINARY FLOOD HAZARD ASSESSMENT FOR MONUMENTS IN URBANIZED AREAS <i>Theano Iliopoulou, Demetris Koutsoyiannis</i></p>
<p>18837 MONITORING OF CHANGES OF EXTERNAL CLIMATE INFLUENCE ON INNER MICROCLIMATE OF SACRAL BUILDING * <i>Lukas Balik, Lucie Kudrnacova, Klara Nedvedova</i></p>	<p>18365 SPATIAL VARIABILITY OF GROUND MOTION HAZARD AND PRELIMINARY REGIONAL DAMAGE ASSESSMENT OF ANCIENT MONUMENTS <i>Christos Lachanas, Vasileios Melissianos, Dimitrios Vamvatsikos</i></p>
<p>18749 THE APPLICATION OF 3D IMAGE-BASED PHOTOGRAMMETRY IN THAI HERITAGE SITES: A CASE STUDY OF WAT CHAI WATTANARAM * <i>Krisada Chaiyasarn, Shekhar Mahat, Supawit Prukpratin</i></p>	<p>19129 MODELING OF MONOLITHIC ANCIENT COLUMNS AND COLONNADES UNDER SEISMIC LOADING * <i>Spyridon Diamantopoulos, Michalis Fragiadakis</i></p>
<p>19244 SEISMIC STRUCTURAL EVALUATION OF CANDI SIVA, PRAMBANAN WORLD HERITAGE TEMPLE, BY INTRODUCING MUOGRAPHY * <i>Toshikazu Hanazato, Hiroyuki Tanaka, Yasufumi Uekita, Yoyok Subroto</i></p>	<p>19140 ROCKING BODY DYNAMICS WITH THE MATERIAL POINT METHOD <i>Christos Sofianos, Vlasis Koumousis</i></p>
<p>18652 HOSPITAL BUILDING PERFORMANCE ASSESSMENT THROUGH WALKTHROUGH METHODOLOGY FOCUSING ON TECHNICAL ASSESSMENT * <i>Alyria Donegá, João Pantoja</i></p>	
<p>18667 CONSERVATION OF CULTURAL HERITAGE. EVALUATION OF ARCHAEOLOGICAL DIGS EFFECT ON THE DEGRADATION OF THE STRUCTURES FOUND * <i>Veronica Vitiello, Roberto Castelluccio, Massimo Ramondini</i></p>	

MONDAY, 25 OCTOBER 2021

17:00-19:00

ROOM 1: Protection and Retrofitting - I Chair: <i>Vasiliki Eleftheriou, Eleftheria Tsakanika</i>	ROOM 2: Archytas Workshop - II Chair: <i>Dimitrios Vamvatsikos, Konstantinos Papanikolopoulos</i>
18792 THE RESTORATION PROPOSAL FOR THE 4-STOREY LOAD BEARING TIMBER FRAMES OF MATSOPOULOS WHEAT MILL IN TRIKALA (GREECE) <i>Eleftheria Tsakanika, Sonia Charalambides</i>	19384 UAV PHOTOGRAMMETRIC MAPPING AND NUMERICAL ANALYSIS OF THE TEMPLE OF APHAIA IN AEGINA <i>Maria-Eleni Dasiou, John Manousakis, Georgios Zalachoris, Eleni - Eva Toumbakari</i>
18427 CONVERSION OF AN EXISTING REINFORCED CONCRETE BUILDING INTO A NEW OFFICE BUILDING * <i>Marina Traykova, Petar Doychinov</i>	18354 PRELIMINARY SEISMIC RISK ASSESSMENT OF MONOLITHIC COLUMNS OF THE APHAIA TEMPLE IN AEGINA <i>Vasileios Melissianos, Christos Lachanas, Dimitrios Vamvatsikos</i>
18816 PARAMETERIZATION OF STAINLESS STEEL REBARS TO IMPROVE BONDING STRENGTH IN MASONRY REPAIRING <i>Beatriz Hortigon, Fernando Ancio, Esperanza Rodriguez-Mayorga</i>	19159 DYNAMIC RESPONSE OF MASSIVE MARBLE BLOCK STRUCTURES VIA THE DISCRETE ELEMENT METHOD: THE CASE OF THE TOWER OF THE WINDS AT AERIDES - PLAKA - ATHENS - GREECE <i>Laurence-Kimon Antoniadis, Vlasis Koumoussis</i>
18793 ADHESIVE MATERIALS FOR THE CONSERVATION INTERVENTIONS IN THE ACROPOLIS MONUMENTS <i>Eleni Aggelakopoulou, Chrissy-Elpida Adami, Anthi Tsimereki, Elizabeth Vintzileou, Vasiliki Eleftheriou</i> *	19161 REINSTALLING LAKRATEIDES VOTIVE RELIEF AS AN INDEPENDENT EXHIBIT AT THE MUSEUM OF ELEUSIS <i>Vlasis Koumoussis, Orfeas Kountouroglou, Anargyros Moysidis</i>
18479 CONSERVATIONS, STRUCTURAL CONSOLIDATIONS AND SEISMIC STRENGTHENING OF ALI PASHA MOSQUE IN OHRID, NORTH MACEDONIA <i>Bekim Ceko, Risto Petkovski, Onur Attar, Goran Jekic, Predrag Gavrilovic</i>	19088 STRUCTURAL MODEL UPDATING OF A HISTORICAL STONE MASONRY TOWER IN TØNSBERG, NORWAY <i>Amirhosein Shabani, Agon Ademi, Mahdi Kioumarsji</i>
18587 SAFETY ANALYSIS AND RETROFITTING OF A MASONRY BELL TOWER * <i>Massimiliano Ferraioli, Angelo Lavino, Donato Abruzzese, Alberto Mandara</i>	19127 IDENTIFICATION OF STONE BUILDING DEGRADATION PATTERNS BASED ON DIGITAL DOCUMENTATION <i>María L. Jalón, Juan Chiachío, Luisa María Gil-Martín, Enrique Hernández-Montes</i>
18543 AVENTICUM: PROTECTION OF ROMAN MONUMENTS IN SWITZERLAND <i>Michail Zotos</i>	19160 STATIC AND DYNAMIC - LINEAR AND NONLINEAR ANALYSIS OF THE ZOGRAPHOS MAUSOLEUM TOWER AT THE 1ST CEMETERY OF ATHENS <i>Vlasis Koumoussis, Anargyros Moysidis</i>
18378 RESPONSE SIMULATION OF ASEISMIC RETROFIT FOR A REINFORCED CONCRETE HISTORIC BUILDING STRUCTURE USING A VARIABLE FRICTION DAMPER * <i>Kazutaka Shirai, Tomoaki Ito, Takeshi Sano</i>	

TUESDAY, 26 OCTOBER 2021

9:20-10:30

ROOM 1: KEYNOTE LECTURES

Chair: *Ioannis Psycharis, Stavros Kourkoulis*

18925 RESTORING THE ACROPOLIS MONUMENTS. VISIBLE AND INVISIBLE WORK.

Vasiliki Eleftheriou

18929 ESTIMATION OF SEISMIC BEHAVIOUR OF HISTORIC MASONRY STRUCTURES BY SHAKE TABLE TESTING *

Lidija Krstevska

TUESDAY, 26 OCTOBER 2021

11:00-13:30

<p>ROOM 1: Protection and Retrofitting - II Chair: <i>Fillitsa Karantoni, Efstratios Badogiannis</i></p>	<p>ROOM 2: Experimental Tests and Protection Chair: <i>Antonio Formisano, Ahmed Y. Elghazouli</i></p>
<p>18419 STRENGTHENING MEASURES FOR UPGRADING THE SEISMIC RESPONSE OF GAZI HASAN PASHA MOSQUE, KOS ISLAND <i>Fillitsa Karantoni, Dionisia Dimakopoulou</i></p>	<p>18633 HEMP-FRP FOR SEISMIC RETROFITTING OF EXISTING MASONRY BUILDINGS <i>Antonio Formisano, Generoso Vaiano, Nicola Junior Petrucci</i></p>
<p>18806 SEISMIC RETROFIT OF RC BUILDINGS USING METAL SHEAR PANELS * <i>Gianfranco De Matteis, Massimiliano Ferraioli, Angelo Lavino</i></p>	<p>19097 STRUCTURAL BEHAVIOUR OF CLAY BRICK LIME MORTAR MASONRY WALLS UNDER LATERAL CYCLIC LOADING IN DRY AND WET CONDITIONS <i>A. Y. Elghazouli, D. V. Bompa, S. A. Mourad, A. Elyamani</i></p>
<p>18346 THE RESTORATION OF THE EUPALINOS TUNNEL: THE MANY FACES OF A COMPOSITE PROJECT. <i>Costas Papantonopoulos</i></p>	<p>18454 IN SITU TESTS PROCEDURES FOR THE EVALUATION OF MASONRY MECHANICAL PARAMETERS * <i>Pietro Croce, Filippo Landi, Paolo Formichi, Maria Luisa Beconcini, Benedetta Puccini, Vincenzo Zotti</i></p>
<p>18700 TRACTION RESISTANCE IN CHEMICAL ANCHORS * <i>Diego Fernando Páez Moreno, Jeniffer Hamón Caicedo</i></p>	<p>18412 STRENGTH GRADING OF STRUCTURAL TIMBER IN EXISTING STRUCTURES – STUDY ON THE APPARATUS SUPPORTED GRADING WITH THE ULTRASONIC TIME-OF-FLIGHT MEASUREMENT <i>Gunter Linke, Wolfgang Rug, Hartmut Pasternak</i></p>
<p>18742 $\delta^{13}C$ AND $\delta^{18}O$ STABLE ISOTOPE ANALYSIS APPLIED TO INDICATE SOURCES OF WATER-INDUCED DEGRADATION IN HISTORIC MONUMENTS * <i>Dafni Kyropoulou, Eustratios Heliades, Petros Karalis, Georgios Diamantopoulos, Sophia Gougoura, Elissavet Dotsika</i></p>	<p>18409 EVALUATION OF THE LOAD-BEARING CAPACITY OF TIMBER MEMBERS IN EXISTING STRUCTURES BASED ON INFORMATION FROM A QUALIFIED INVESTIGATION IN SITU WITHIN A STEPWISE PROCEDURE <i>Maria Loebjinski, Wolfgang Rug, Hartmut Pasternak</i></p>
<p>18841 UNMANNED AERIAL VEHICLES FOR MAPPING AND INSPECTING HISTORICAL CONSTRUCTIONS <i>Alexandros Feretzakis, Efstratios Badogiannis</i></p>	<p>18545 IN-SITU EXPERIMENTAL RESEARCH TO REINFORCE, RESTORE AND ENHANCE THE HISTORICAL MONUMENT EVANGELICAL CHURCH C.A. SIBIU <i>Claudiu Lucian Matei, Cora-Maria Stamate, Mariana Cioncu-Puenea</i></p>
<p>18824 SEISMIC BEHAVIOR OF HISTORICAL ROYAL CENOTAPHS (CHHATRIS) IN GUJARAT, INDIA DURING THE 2001 BHUJ EARTHQUAKE * <i>Satwant Rihal, William Koh, Anjali Mehrotra</i></p>	<p>18761 STABLE ISOTOPIC COMPOSITION OF CARBONATE MATERIALS FOR DETERMINATION OF THE ORIGIN OF MARBLE ARTIFACTS <i>Petros Karalis, Maria Tassi, Eustathios Heliades, Georgios Diamantopoulos, Vassilios Christaras, Panagiotis Spathis, Elissavet Dotsika</i></p>
<p>19085 PROTECTION OF ST. ANDREW'S CHURCH LOCATED WITHIN LANDSLIDE HAZARDOUS SITES AND GROUND CONSTRAINTS * <i>Yuriy Slyusarenko, Volodymyr Tytarenko, Valeriy Shuminskiy, Anton Dvornyyk, Yaroslav Dombrovskiy</i></p>	<p>18788 PROTECTION OF HISTORIC STONE MASONRY WALLS AGAINST BLAST LOADS * <i>Laura Ciornei, Murat Saatcioglu</i></p>
<p>18787 CRITICAL ISSUES OF TYPICAL EXISTING MASONRY ROAD BRIDGES HANDLED BY THE PROVINCE OF CASERTA * <i>Gianfranco De Matteis, Pasquale Bencivenga, Mattia Zizi, Antonino Del Prete</i></p>	<p>18452 SEISMIC PROTECTION OF HISTORICAL ARTEFACTS USING AN IMPROVED SPRING HANGED THREE-DIMENSIONAL PENDULUM ISOLATION METHOD <i>Wen Bai, Junwu Dai, Yongqiang Yang</i></p>
<p>18491 PRESERVING A MODERN NEIGHBORHOOD: KOŞUYOLU <i>Yıldız Salman</i></p>	

TUESDAY, 26 OCTOBER 2021

14:30-16:30

ROOM 1: Masonry, Stone and Timber Constructions

Chair: *Ioannis Psycharis, Maria-Eleni Dasiou*

- 18765** INVESTIGATION OF THE SEISMIC RESPONSE OF THE TEMPLE OF ZEUS OLYMPIAN IN ATHENS, GREECE
Ioannis N. Psycharis, Evangelos Avgenakis, Evrikleia Alexandraki, Vassiliki Manousiadou, Eleni Karakike
-
- 18482** THE DYNAMIC RESPONSE OF A VERTICAL DRY STONE MASONRY ASSEMBLY AS A MOCK-UP OF MASONRY WALL FORTIFICATIONS *
George Manos, Lazaros Melidis, Olympia Felekidou, Konstantinos Katakalos
-
- 18484** INVESTIGATING STONE MASONRY ARCH BRIDGES IN GREECE EMPLOYING IN-SITU MEASUREMENTS AND NUMERICAL PREDICTIONS *
George Manos, Nick Simos, G. Psyrras
-
- 18805** STRUCTURAL ASSESSMENT OF HISTORICAL TIMBER ROOF TRUSSES_ THE CASE OF THE CROCE DI LUCCA CHURCH IN NAPLES
Gianfranco De Matteis, Luigi Ricci, Corrado Chisari, Alberto Mandara, Simeone Panico
-
- 18485** THE PERFORMANCE OF TWO UNREINFORCED MASONRY CHURCHES IN GREECE UNDER GRAVITATIONAL AND EARTHQUAKE ACTIONS *
George Manos, Lambros Kotoulas, V. Matsou, Olga Felekidou, J. Arnaoutis, Konstantinos Katakalos
-
- 18540** APPLICATION OF NON-DESTRUCTIVE TECHNIQUES FOR THE INVESTIGATION OF OLD MASONRY STRUCTURES *
Erato Oikonomopoulou, Vasiliki Palieraki, Vasiliki Nikolopoulou, Elizabeth Vintzileou
-
- 18781** ACHIEVING A SUITABLE HYGRO-MECHANICAL COMPATIBILITY BETWEEN THE SUBSTRATE AND THE REPAIRING MORTARS IN HISTORIC MASONRY CONSTRUCTIONS. *
Maria Carolina Domizio, Noemí Graciela Maldonado, Luis Fernandez Luco
-
- 18619** REINFORCEMENT OF DOWEL-TYPE TIMBER JOINTS WITH SELF-TAPPING SCREW
Jorge M. Branco, Douaa Elbashir

ROOM 2: Robustness, Vulnerability and Risk

Chair: *Vasiliki Eleftheriou, Antonio Formisano*

- 18585** PROGRESSIVE COLLAPSE RETROFIT OF A RC HOSPITAL BUILDING USING STEEL BRACES
Massimiliano Ferraioli, Angelo Lavino, Alberto Mandara
-
- 18785** A SIMPLIFIED PROCEDURE FOR SEISMIC RISK ASSESSMENT OF EXISTING ITALIAN SCHOOL BUILDINGS *
Gianfranco De Matteis, Pasquale Bencivenga
-
- 18470** REHABILITATION OF 1920S HOUSING SETTLEMENTS: EXAMPLES FROM COLOGNE AND FRANKFURT *
Zeren Önsel Atala
-
- 18406** SEISMIC DAMAGE EVALUATION AND DECISIONS ON INTERVENTIONS SUPPORTED BY UAV-BASED SURVEYS
Valeria Croce, Dimitris Diamantidis, Miroslav Šýkora
-
- 18455** NON-LINEAR METHODS FOR THE ASSESSMENT OF SEISMIC VULNERABILITY OF MASONRY HISTORICAL BUILDINGS *
Pietro Croce, Filippo Landi, Paolo Formichi, Maria Luisa Beconcini, Benedetta Puccini, Vincenzo Zotti
-
- 18789** LIMIT ANALYSIS FOR TRIUMPHAL ARCHES IN MASONRY CHURCHES: CASE STUDY FROM L'AQUILA 2009 AND CENTRAL ITALY 2016-17 EARTHQUAKES
Mattia Zizi, Valentina Corlito, Daniela Cacace, Gianfranco De Matteis
-
- 18564** CONSTRUCTIVE STAGES IN THE ARCHITECTURE OF QUITO. XVII-XIX CENTURIES *
Inés Del Pino, M. Lenin Lara
-
- 19109** LARGE-SCALE ANALYSIS OF MASONRY BELL TOWERS IN NAPLES
Daniela Cacace, Corrado Chisari, Gianfranco De Matteis
-
- 18804** STRUCTURAL EVALUATION OF HISTORICAL CHURCHES IN GUMUSHANE *
Kasim Korkmaz, Saadet Toker Beeson

TUESDAY, 26 OCTOBER 2021

17:00-19:30

ROOM 1: Numerical Modelling

Chair: *Antigone Vrouva, Konstantinos Papadopoulos*

18631 SEISMIC ANALYSIS AND REHABILITATION BY STEEL JACKETING OF AN EXISTING PRECAST RC INDUSTRIAL BUILDING

Antonio Formisano, Antonio Davino

18791 NUMERICAL MODELLING FOR ASSESSING THE STRUCTURAL EFFICIENCY OF CAM® REINFORCEMENT SYSTEM FOR MASONRY WALLS

Mattia Zizi, Alessandro Vari, Nino Spinella, Piero Colajanni, Gianfranco De Matteis

18494 IN-PLANE BEHAVIOR OF IRON-FRAMED MASONRY PANELS: NUMERICAL ANALYSES *

Thomas Celano, Luca Argiento, Francesca Ceroni, Claudia Casapulla

18604 INVESTIGATION OF THE PATHOLOGY CAUSES OF XANA, GREECE BY THE USE OF NONLINEAR FINITE ELEMENT ANALYSES

Vasiliki Terzi

18740 ASSESSMENT OF ARCHAEOLOGICAL THEORIES FOR MONUMENTS ON THE BASIS OF SOPHISTICATED STRUCTURAL ANALYSIS NUMERICAL SIMULATIONS

Konstantinos Papadopoulos

18747 PARAMETRIC INVESTIGATION OF THE SEISMIC RESPONSE OF ANCIENT ISODOMIC MASONRY WALLS

Antigone Vrouva, Ioannis Psycharis, Vasiliki Eleftheriou

18764 GENERALIZED ALGORITHM FOR SEGMENTAL TOPOLOGY OF RAMPANT ARCH

Vaishnavi Totla, Pallavi Varma, Prathamesh Varma

ROOM 2: Sustainability and Re-Use

Chair: *Androniki Miltiadou, Natasa Zivaljevic-Luxor*

18845 THE FUNCTIONAL-STRUCTURAL REHABILITATION OF THE PRINCE CARACCILO OF AVELLINO BUILDING LOCATED IN THE OLD TOWN OF NAPLES "UNESCO WORLD HERITAGE SITE"

Beatrice Faggiano, Luigi Fiorino, Vincenzo Macillo, Giulia Bonelli, Claudio Rossi, Federico M. Mazzolani

18458 60TH ANNIVERSARY OF THE SALVATION OF THE TEMPLES OF ABU SIMBEL

Natasa Zivaljevic-Luxor, Hartmut Pasternak

18650 PROPOSAL FOR PROJECT MANAGEMENT FOR THE INTERVENTION OF BUILDINGS WITH HISTORICAL AND ARCHITECTURAL HERITAGE DECLARATION IN COSTA RICA *

Jose Bulgarelli-Bolaños

18766 CONTEMPORARY CHALLENGES OF RESIDENTIAL BUILDINGS FROM MID-TWENTIETH CENTURY: FOR A RENEWED CONSCIOUSNESS OF HERITAGE PRESERVATION AND ENERGY SUSTAINABILITY

Luciana Rocha, Rui Fernandes Póvoas

19102 REDISCOVER TRADITIONAL GYPSUM: TERRITORY, TRADITIONAL ARCHITECTURE AND REDISCOVERY OF TRADITIONAL CYP SUM *

Belén González Sánchez, Antonia Navarro Ezquerra, Manuel Julià Comas, Judit Ramirez-Casas, Mariana Palumbo Fernández

18782 THE ROLE OF METALLIC CONNECTIONS IN THE GLOBAL BEHAVIOUR OF TIMBER FRAME STRUCTURAL SYSTEM OF TABIQUE WALLS

Jose Padrão, Jorge Pinto, António Arêde, João Guedes

TUESDAY, 26 OCTOBER 2021

19:30-20:00

ROOM 1: CLOSING

WEDNESDAY, 27 OCTOBER 2021

Technical visit: Poseidon Temple in Sounion (optional)

Duration: 10:00-16:00

Cost per person: 25 €, plus entrance fees: 10 €
(minimum participation: 15 persons)

Pick up /Drop off place: Athens center