

42nd IAHS | 10 - 13rd April 2018
World Congress on Housing | Naples - Italy



10-11 April 2018	12 April 2018
CENTRO CONGRESSI	SALONE DEGLI SPECCHI
University of Naples	Telematic University
Federico II	Pegaso
via Partenope	Piazza Trieste e Trento
Naples	Naples

PATRONAGE OF THE MUNICIPALITY OF NAPLES



Telematic University
Pegaso



Laboratory of
Building Design
University of Trento



International Association
for Housing Science
Florida International University



Department of
Architecture
University of Naples
Federico II



DETAILED PROGRAMME

Full Programme

10th April 2018

- 08:00 **Congress Participants Reception**
 Centro Congressi Federico II University - Via Partenope
- 09:00-09:45 **Opening Ceremony** Aula Magna
- Prof. Renato Iovino, Telematic University Pegaso
 - Prof. Vitor Abrantes, University of Porto
 - Dott. Danilo Iervolino, President Telematic University Pegaso
 - Prof. Edoardo Cosenza, President order engineers Naples
 - Generale Rommel Morón Romero, Rector Escuela Militar Ingeniería, La Paz
 - Prof. Alessandro Bianchi, Rector Telematic University Pegaso
 - Prof. Gaetano Manfredi, Rector University of Naples Federico II
- 09:45-10:30 **Plenary Session** Aula Magna
- Prof. Mario Antonio Arnaboldi
LESS MATERIAL - MORE INTELLIGENCE
- 10:30-11:00 **Coffee Break** Foyer
- 11:00-13:00 **Parallel Sessions**
- 13:00-14:30 **Lunch** Foyer
- 14:30-16:30 **Parallel Sessions**
- 16:30-19,15 **FREE AFTERNOON**
- 19:15 **Bus transfer to Church Santa Maria La Nova**
 (Hop On Centro Congressi Federico II - Via Partenope)
- 19:45 **Welcome Drink**
- 20:00 **Great Musical Galà:** Maestro Christian Deliso, Soprano
 Marina Zyatkovna, NATO Band with Singer Aurora Giglio
- 21:30 **Bus transfer to Via Partenope**
 (Hop Off Centro Congressi Federico II - Via Partenope)

Full Programme

11th April 2018

09:00-11:00	Parallel Sessions Centro Congressi Federico II University - Via Partenope
11:00-11:30	Coffee Break Foyer
11:30-13:30	Parallel Sessions
13:30-15:00	Lunch Foyer
15:00-17:20	Parallel Sessions
17:20-19:30	FREE AFTERNOON
19:30	Bus transfer to Ercolano (Hop On Centro Congressi Federico II - Via Partenope)
20:30	Conference Dinner Villa Signorini **** Ercolano
23:00	Bus transfer to Via Partenope (seafront) (Hop Off Centro Congressi Federico II - Via Partenope)

Full Programme

13th April

09:00-19:00 **Post Congress Tour**

Visit of the island of Capri

Or alternatively, by choice,

Visit Archaeological excavations of Pompeii

Accompanying Persons - Programme

10th April

9:00-13:00 **City Tour – Visit Museo S. Martino**

(Hop On and Hop Off: Centro Congressi Federico II - Via Partenope)

11th April

9:00-14:00 **Visit Old Center of Naples – Pizza tasting**

walking tour

(Hop On and Hop Off: Centro Congressi Federico II - Via Partenope)

12th April

9:00-16:00 **Sorrento Tour - Tasting “gnocchi alla sorrentina”**

(Hop On and Hop Off: Centro Congressi Federico II - Via Partenope)

Detailed Programme of Parallel Sessions

10th April 2018

11:00- 13:00 - AULA MAGNA

Chair *Bianca Petrella*

11h00m 11h20m	ID 013	TO STRENGTHEN OR DEMOLISH: THE FINANCIAL CHALLENGES FACING UNREINFORCED MASONRY BUILDINGS IN NEW ZEALAND Chris Murphy
11h20m 11h40m	ID 023	THE ROLE OF INSTITUTIONS IN THE "MONITORING AND EVALUATION" INDICATORS SYSTEMS USED IN SPATIAL PLANNING Paula Ribeiro-Ramos, Isabel Breda-Vázquez, Fernanda Sousa
11h40m 12h00m	ID 028	SAFEGUARDING THE GENIUS LOCI OF HISTORIC URBAN SETTINGS: THE CASE OF MOHAMED ALI STREET IN CAIRO, EGYPT Aliaa AlSadaty
12h00m 12h20m	ID 051	DEVELOPING A FRAMEWORK FOR THE SUSTAINABLE AFRICAN CITY OF THE FUTURE Lloyd Chaitezvi, Vittorio Tramontin, Cristina Trois, Antonio Frattari
12h20m 12h40m	ID 104	URBAN PLANNING AND ECO-INDUSTRIAL SETTLEMENTS Salvatore Losco, Luigi Macchia
12h40m 13h00m	ID 301	NAPLES TO UNVEIL - A WIDESPREAD MUSEUM: THE ROAD CURTAINS OF THE THREE DECUMANI Corrado Gisondi, Domenico Servodio, Flavia Fascia

11:00-13:00 - AULA A

Chair *Thomas Ng S.*

11h00m 11h20m	ID 029	CIRCULAR ECONOMY AND CROSS-SECTORIAL UPCYCLING OF PRE-CONSUMER SCRAPS IN THE BUILDING SECTOR Marco Migliore, Cinzia Maria Luisa Talamo, Giancarlo Paganin
11h20m 11h40m	ID 046	REVIEW OF SMART ENVELOPE SYSTEMS FOR MULTI-STORY RESIDENTIAL AND COMMERCIAL BUILDINGS Shahryar Habibi, Ali M. Memari
11h40m 12h00m	ID 128	IMPACT OF THE WATER TARIFF AT THE RAINWATER RESERVOIR SIZING BASED ON ECONOMIC CRITERIA Leticia Muniz, Marcus A. S. Campos

12h00m 12h20m	ID 105	INNOVATIVE BUSINESS MODELS FOR DEEP RESIDENTIAL RENOVATION PROCESSES WITH DEMAND RESPONSE SCHEMES Dawid Krysiński, Remigiusz Mielczarek, Claudia Mafra, Ricardo Rato, Chara Zografou, Konstantinos Tsatsakis, Melina Lazaropoulou, Tasos Tsitsanis, Mircea Bucur, Yoav Zingher
12h20m 12h40m	ID 270	THE BUILDING INFORMATION MODELING AND THE INNOVATION OF THE BUILDING PROCESS. A CASE STUDY: BIKIRA MARIA WA MLIMA KARMELI Pasquale Carlucci
12h40m 13h00m	ID 091	REFUGE AND WEAPON. HOUSING AS A CATALYST FOR SOCIAL COHESION Irene de Lamo Velado

11:00 – 13:00 - AULA B

Chair Rossana Paparella

11h00m 11h20m	ID 002	ANALYTICAL METHOD FOR DESIGN OF FIRE RESISTANCE OF STEEL STRUCTURAL ELEMENTS Flavia Fascia, Renato Iovino, Emanuele La Mantia
11h20m 11h40m	ID 243	ANALYTICAL METHOD FOR DESIGN OF FIRE RESISTANCE OF STRUCTURAL ELEMENTS IN REINFORCED CONCRETE Fabio Sannino, Emanuele La Mantia, Renato Iovino
11h40m 12h00m	ID 122	TOWARDS A DIGNITY IN HOUSING: POLICIES AND TOOLS FOR THE SEISMIC RISK PREVENTION Emilia Garda, Marika Mangosio, Luca Vailati
12h00m 12h20m	ID 066	PATENTS FOR TEMPORARY AND PERMANENT METALLIC RESIDENTIAL BUILDINGS. 1859, NORCIA - 1908, MESSINA AND REGGIO CALABRIA Stefano Cocco
12h20m 12h40m	ID 075	AVEIRO UNIVERSITY GEOTHERMAL CHALLENGE. DEPARTMENTS THERMAL DYNAMIC SIMULATION António Figueiredo, José Lapa, Claudino Cardoso, Fernanda Rodrigues, Armando Pinto, Joaquim Macedo
12h40m 13h00m	ID 272	REVERSE ENGINEERING AND ADDITIVE MANUFACTURING: SURVEY AND RENDERING OF A BUILDING WITH 3D MODEL E. La Mantia, M. Martorelli, A. Gloria

10th April 2018

14:30- 16:30 - AULA MAGNA

Chair David Bozsaky

14h30m 14h50m	ID 001	MARKET SQUARE IN NAPLES - HISTORICAL ANALYSIS OF THE SITES FOR A PROPOSAL OF ARCHITECTURAL RECOVERY AND URBAN REGENERATION Flavia Fascia, Antonietta Russo, Emanuele La Mantia
14h50m 15h10m	ID 016	ARCHITECTURE ALIVE. A PARAMETRIC APPROACH ON EXISTING BUILDINGS Gigliola D'Angelo
15h10m 15h30m	ID 037	REGENERATION OF HISTORICAL HOUSING CONTEXTS AND DIGITAL MAPPING OF INTANGIBLE CULTURAL HERITAGE Sahar Imam
15h30m 15h50m	ID 065	A SUGGESTION FOR THE REUSE OF INDUSTRIAL HERITAGE: AKSARAY GASWORKS BUILDING H. A. Erdogan, E. Erdogan
15h50m 16h10m	ID 133	FROM SUPERELEVATION TO REFURBISHMENT: THE CASE OF THE ATER QUARTER IN VIA GRAMSCI, ROVIGO (1967-1971) Angelo Bertolazzi, Mauro Caini, Marco Campagnola, Giorgio Croatto, Rossana Paparella, Umberto Turrini
16h10m 16h30m	ID 134	WOE HOUSE TO ROW HOUSE: A REHABILITATION OF HISTORICAL VACANT HOMES IN THE CITY OF BALTIMORE AND THE CHALLENGES PRESENTED Francisco Borvice

14:30- 16:30 - AULA A

Chair Stefano Cocco

14h30m 14h50m	ID 239	DETERMINATION OF THE MAXIMUM DIAMETER FOR REINFORCED CONCRETE STRUCTURES Roberto Castelluccio, Veronica Vitiello, Maria Infante
14h50m 15h10m	ID 021	EXPERIMENTAL ASSESSMENT OF GYPSUM WALLS APPLIED IN BRAZILIAN CONSTRUCTION Nuno M. M. Ramos, Almaí Santos, Joana Maia, João M. P. Q. Delgado
15h10m 15h30m	ID 032	IMPROVEMENT OF THE PRODUCTIVITY OF ASSEMBLING JAPANESE PREFABRICATED HOMES ON CONSTRUCTION SITES Tomoyuki Gondo, Hirotake Kanisawa, Shuichi Matsumura
15h30m 15h50m	ID 045	WOODEN BUILDING TECHNOLOGY AND PROPOSAL FOR AN INNOVATIVE SOLUTION Stefano Cascone, Federico Catania, Gaetano Sciuto

15h50m 16h10m	ID 064	APPRAISING THE SOCIAL COSTS AND BENEFITS OF TRANSPORTATION PROJECTS USING PPP Maha Mustafa Eltahir
16h10m 16h30m	ID 067	THERMAL BRIDGES IN INDUSTRIALIZED BUILDING. THE CASE OF REINFORCED CONCRETE WALL/FLOOR JUNCTIONS Tiziana Basiricò, Antonio Cottone

14:30- 16:30 - AULA B

Chair Marika Mangosio

14h30m 14h50m	ID 009	INDOOR COMFORT AT SCHOOL: AN EXPERIMENTAL BEST PRACTICE FOR IMPROVING SUSTAINABLE AWARENESS Antonella Tundo, Angelo Mariano, Silvio Mastrolitti, Claudia Meloni
14h50m 15h10m	ID 011	A HOUSE IN TANZANIA TO MEET GOD. NATURAL VENTILATION Flavia Fascia, Renato Iovino, Paola Iodice, Emanuele La Mantia
15h10m 15h30m	ID 022	A DESIGN PROPOSAL FOR A BUILDING INTEGRATED SOLAR THERMAL VERTICAL COLLECTOR (BIST) AS A DYNAMIC SELF-ACTIVATED SHADING DEVICE Giulia Santoro, Enrico Sergio Mazzucchelli, Angelo Lucchini
15h30m 15h50m	ID 027	THE SUSTAINABLE REUSE OF WATERMILLS. ANALYSIS AND PROPOSALS IN A CASE STUDY Pierfrancesco Fiore, Giacomo Viccione, Lucio Ippolito
15h50m 16h10m	ID 050	NEARLY ZERO-ENERGY BUILDINGS IN CROATIA: COMPARISON OF THERMAL PERFORMANCE IN DIFFERENT CLIMATIC REGIONS Zoran Veršić, Iva Muraj, Marin Binički
16h10m 16h30m	ID 057	MODELLING ENERGY CONSUMPTION IN RESIDENTIAL SECTOR: A REVIEW OF EXISTING TECHNIQUES AND PROPOSITION OF AN APPROACH BASED ON THE EXPLOITATION OF A GIS TOOL Mohamed Belmaaziz, Gianluca Cadoni

11th April 2018

9:00- 11:00 - AULA MAGNA

Chair *Mohamed Belmaaziz*

9h00m 9h20m	ID 018	THERMODYNAMIC AND HYDROTECHNICAL PROPERTIES OF THERMAL INSULATION COATINGS CONSISTED OF VACUUM-HOLLOW NANO-CERAMIC MICROSPHERES David Bozsaky
9h20m 9h40m	ID 136	RE-INHABITING THE TERRITORY - CONVERSION OF UNCULTIVATED SOILS TO REACTIVATE THE AGRICULTURAL SECTOR AND AVOID LAND ABANDONMENT Stefano Morelli, Francesco Rispoli, Emanuele La Mantia
9h40m 10h00m	ID 252	A NEW LIFE FOR THE MONUMENTAL COMPLEX OF "SANTA MARIA DELLA PACE" IN CASTELLAMMARE DI STABIA: CULTURAL CENTER & HISTORICAL RESIDENCES Stefano Santaniello
10h00m 10h20m	ID 261	THE HOLY MONUMENT ANNUNZIATA IN CAVA DE' TIRRENI (SA) - HISTORICAL ANALYSIS OF THE BUILDING FOR A PROPOSAL OF A RELIGIOUS HOUSE OF HOSPITALITY Flavia Fascia, Virginia Ioffredo, Emanuele La Mantia
10h20m 10h40m	ID 274	LIVING THE SEA - BETWEEN SCILLA AND CARIDDI HOMER MEETS ARCHITECTURE Angela Greco, Renato Iovino
10h40m 11h00m	ID 257	11 PRINCIPLES OF SPATIAL DESIGN FOR WELL-BEING Veronika Kotradyová

9:00- 11:00 - AULA A

Chair *Salvatore Losco*

9h00m 9h20m	ID 099	URCBN PLANNING BND ILLEGIBLE BUILDING IN ITALY Bianca Petrella, Claudia de Biase, Salvatore Losco
9h20m 9h40m	ID 268	SMART URBAN PLANNING FOR AN EXISTING INDUSTRIAL PARK: ROVERI SMART VILLAGE PROJECT William Brunelli, Edi Valpreda, Maria-Anna Segreto, Francesca Cappellaro, Antonino Segreto
9h40m 10h00m	ID 019	A CONCEPTUAL INTERNET-OF-THINGS AND BIG DATA FRAMEWORK FOR INFRASTRUCTURE ASSET MANAGEMENT S. Thomas Ng, Frank J. Xu
10h00m 10h20m	ID 264	HARMONIZING SUSTAINABILITY DIMENSIONS: A COMMUNITY-ORIENTED DESIGN FOR 'VERTICAL' SOCIAL HOUSING IN UAE Khaled Galal Ahmed

10h20m 10h40m	ID 302	THE GYMNASIUM OF THE AUSILIA PROJECT FOR INDEPENDENT LIVING OF PERSONS WITH DISABILITIES Antonio Frattari, Michela Dalprà, Barbara Bauer
10h40m 11h00m	ID 308	EMERGENCY ARCHITECTURE FOR SOCIAL AND ECONOMIC DEVELOPMENT: A STATE OF THE ART Federico Fiume, Rossano Albatici

9:00- 11:00 - AULA B

Chair *Anabelen Casares*

9h00m 9h20m	ID 071	MECHANISM OF IMPLEMENTATION THE HSEQ INTERNATIONAL STANDARDS IN CONSTRUCTION INDUSTRY ORGANIZATIONS IN KHARTOUM STATE - SUDAN Abdulmageed Hussein Ali, Maha Mustafa Eltahir
9h20m 9h40m	ID 072	INFRARED THERMOGRAPHY TO EVALUATE MOISTURE IN BUILDING MATERIALS: ASSESSMENT OF TWO DIFFERENT TOOLS TO A QUANTITATIVE APPROACH Eva Barreira, Ricardo M.S.F. Almeida, Maria L. Simões, Daniela Rebelo
9h40m 10h00m	ID 080	THE EFFECT OF PAINTING SYSTEMS IN THE PLASTERBOARD RESISTANCE TO MOULD GROWTH Ricardo M.S.F. Almeida, Eva Barreira, Ana Rocha, Elisabete Siva, Isabel Brás, Isabel Rato, Ana Pereira, Catarina Costa
10h00m 10h20m	ID 084	CONTEMPORARY MASSIVE STONE ENVELOPES FOR RESIDENTIAL BUILDINGS: EXPRESSIVE POTENTIALITIES, TECHNICAL FEATURES AND ENVIRONMENTAL BENEFITS Silvia Mariani
10h20m 10h40m	ID 273	THE LARGE CIVIL WORKS OF THE OLD TRACING OF THE SPARANISE LINE - GAETA AND HIS POTENTIAL TOURIST RIBBONIZATION Nunzio Bracale
10h40m 11h00m	ID 102	EXPERIMENTAL EVALUATION OF THE STRENGTH OF CERAMIC MASONRY WITH NOTCH JOINTS Simão Clérigo, Florindo Gaspar, Paulo Fernandes

11th April 2018

11:30- 13:30 - AULA MAGNA

Chair Antonio Frattari

11h30m 11h50m	ID 106	THE SOLAR POTENTIAL OF MINOR CENTRES IN ABRUZZO, ITALY: METHOD FOR SOLAR MAP OF BUILDING SURFACES Pierluigi De Berardinis, Luisa Capannolo, Francesco Frontini, Pierluigi Bonomo
11h50m 12h10m	ID 107	OUTDOOR LIVING: THE IMPACT OF URBAN MATERIALS AND MORPHOLOGY ON PEDESTRIANS THERMAL AND VISUAL COMFORT- A STATE OF THE ART REVIEW AND DISCUSSION Federica Rosso, Anna Laura Pisello
12h10m 12h30m	ID 155	3D PRINTING OF CONCRETE: A CONTINUOUS EXPLORATION OF MIX DESIGN AND PRINTING PROCESS Maryam Hojati, Shadi Nazarian, Jose P. Duarte, Aleksandra Radlińska, Negar Ashrafi, Flávio Craveiro, Sven Bilén
12h30m 12h50m	ID 156	PRELIMINARY STRUCTURAL TESTING OF A 3D PRINTED SMALL CONCRETE BEAM AND FINITE ELEMENT MODELING OF A DOME STRUCTURE Minhyeok Ko, Ali Memari, Jose P. Duarte, Shadi Nazarian, Negar Asghrafi, Flavio Craveiro, Sven Bilén
12h50m 13h10m	ID 246	AIRBORNE SOUND INSULATION OF GREEN ROOFS – CONVENTIONAL VERSUS NON-CONVENTIONAL COMPONENTS Julieta António, António Tadeu, Laura Sousa, Ricardo Almeida, David Tadeu
13h10m 13h30m	ID 253	FAILURE MODES OF SCREWED CONNECTIONS IN COLD-FORMED STEEL STRUCTURES Mahyar Maali, Merve Sagiroglu, Mahmut Kılıç, Abdulkadir Cüneyt Aydın

11:30- 13:30 - AULA A

Chair Stefania de Gregorio

11h30m 11h50m	ID 014	SMART HOME NETWORK FOR SMART SOCIAL HOUSING: A POTENTIAL TO BOOST THE DIGNITY OF MANKIND Paola Clerici Maestosi, Paolo Civiero, Sabrina Romano, Martina Botticelli
11h50m 12h10m	ID 017	DESIGN FOR WELL-LIVING Lorenzo Capobianco, Francesca Muzzillo, Antonella Violano
12h10m 12h30m	ID 024	COHOUSING AND SMALL HISTORICAL VILLAGES. SUSTAINABLE REHABILITATION FOR PESCHE VILLAGE NEAR ISERNIA. Pierluigi De Berardinis, Alessandra Bellicoso, Alessandra Tosone, Renato Morganti, Modestino Vespa
12h30m 12h50m	ID 041	FINNISH DIGNITY LATEST HOUSING SOLUTIONS FOR SOCIAL DIVERSIFICATION AND CONSTRUCTION SUSTAINABILITY Renato Morganti, Matteo Abita, Danilo Di Donato

12h50m 13h10m	ID 047	THE FOURTH DIMENSION OF SUSTAINABILITY FOR THE ARCHITECTURE PROJECT. REGULATORY INNOVATION FOR SOCIAL HOUSING Elisabetta Ginelli, Gianluca Pozzi, Giuditta Lazzati
13h10m 13h30m	ID 087	SOCIAL SUSTAINABILITY IN RECENT GOVERNMENT-DEVELOPED NEIGHBOURHOODS IN DUBAI: AL BARSHA NORTH CASE STUDY Seyed Mohammad Hossein Alipour Yazdi, Khaled Galal Ahmed

11:30- 13:30 - AULA B

Chair *Senem Seyis*

11h30m 11h50m	ID 003	ANALYSIS OF A RESILIENT HOUSING PROJECT: QUINTA DA MALAGUEIRA (1977) BY ÁLVARO SIZA. A LESSON TO RETAIN. Ana Luísa Rodrigues
11h50m 12h10m	ID 025	MATERA, TIMES AND EVENTS OF A RESILIENT CITY MODEL Antonella Guida, Antonello Pagliuca, Antonio Giulio Loforese
120h10m 12h30m	ID 038	HOUSING HERITAGE IN ASPECT OF THE TRANSLOCATION Michał Włodarczyk
12h30m 12h50m	ID 069	DESIGNING FOR URBAN RESILIENCE: SELECTED CONCEPTS FROM ARCHITECTURE TECHNOLOGY PRACTICE AND FROM SYSTEM THEORIES OF EMERGENCE Anna Cantini, Salvatore Viscuso, Alessandra Zanelli, Gianfranco Minati
12h50m 13h10m	ID 263	TOLEDO STATION OF NAPLES AN URBAN STRUCTURE FOR THE DIGNITY OF MANKIND Emanuele La Mantia, Daniele Zona, Francesco Maria La Mantia
13h10m 13h30m	ID 077	THERMAL-ENERGY PERFORMANCE OF A STONE GABION ENVELOPE: COMPARISON WITH TRADITIONAL STONE MASONRY WALL IN DIFFERENT CLIMATE CONDITIONS Silvia Mariani, Federica Rosso, Marco Ferrero

11th April 2018

15:00 - 17:20 - AULA MAGNA

Chair Tomoyuki Gondo

15h00m 15h20m	ID 094	SMART TECHNOLOGY AND DESIGN IN AMBIENT ASSISTED LIVING FOR THE AGEING SOCIETY. Eugenio Arbizzani, Paolo Civiero, Anna Mangiardi
15h20m 15h40m	ID 108	A BUILDING LOW TECH SYSTEM TO RESOLVE THE HOUSING EMERGENCY IN ABRUZZO (ITALY) Pierluigi De Berardinis, Stefania De Gregorio, Valentina Michini
15h40m 16h00m	ID 117	TURNING EMPTY OFFICE BUILDINGS INTO SUSTAINABLE SOCIAL HOUSING Maria Fianchini, Fabio Ferrucci
16h00m 16h20m	ID 131	OVERLAPPINGS AND AMBIGUITY IN THE EXTERIOR – INTERIOR RELATIONSHIP Andreea Motu
16h20m 16h60m	ID 245	TWO CASES OF CONTAINER ARCHITECTURE: STUDENTS MINI APARTMENTS PROJECT AND MOVEABLE FIELD HOSPITAL Michelangelo Tufano, Alessandra Moscatelli, Francesco Polverino
16h40m 17h00m	ID 256	SLUM-UPGRADING. A NEW PLACE OF ARCHITECTURE Miriam Queiroz, José Fernando Gonçalves
17h00m 17h20m	ID 059	COLLABORATIVE PLANNING AND SPATIAL JUSTICE. THE CASE STUDY OF CLUJ-NAPOCA Mihai Racu

15:00 - 17:20 - AULA A

Chair Marco Ferrero

15h00m 15h20m	ID 238	LINKING THERMAL BUILDING BEHAVIOR WITH HUMAN OCCUPATION: SOCIAL HOUSING NEIGHBOURHOOD CASE António Figueiredo, Rui Oliveira, Romeu Vicente, Ricardo M.S.F. Almeida, Catarina Janeiro
15h20m 15h40m	ID 096	SUSTAINABLE RETROFITS FOR STUDENT DORMITORIES Senem Seyis
15h40m 16h00m	ID 109	AIRTIGHTNESS ASSESSMENT IN MULTI-FAMILY SOCIAL HOUSING IN PORTUGAL Rui Oliveira, António Figueiredo, Ricardo M.S.F. Almeida, Romeu Vicente
16h00m 16h20m	ID 236	LEARNING FROM THE EXPERIENCES OF USING DIFFERENT TYPES OF TEMPORARY HOUSING SYSTEMS Merve Sagioglu, Ali M. Memari
16h20m 16h60m	ID 119	BUILDING ASSESSMENT REPORT IN SPAIN: TOWARDS SUSTAINABLE URBANISM AND ENERGY EFFICIENCY Anabelén Casares Marcos
16h40m 17h00m	ID 138	VERIFICATION THE IMPACT OF WATER WALL ON PARAMETERS OF INDOOR AIR UNDER LABORATORY CONDITIONS Katarína Čákyová, Zuzana Vranayová, František Vranay

17h00m	ID	THE SOCIAL RISE OF A HOUSING INTERVENTION: ÁLVARO SIZA
17h20m	062	PROJECT FOR BOUÇA NEIGHBOURHOOD Clara Pimenta do Vale

15:00 - 17:20 - AULA B

Chair *Dawid Kryszinski*

15h00m	ID	BUILD WITH ECO-FRIENDLY FIBER-CEMENT, SUSTAINABLE
15h20m	248	ARCHITECTURE BETWEEN INNOVATION AND TRADITION Fernando Mejia Espinosa, Vincenzo Tuccillo Iodice, Viviana Soria Gamarra
15h20m	ID	IMPROVING AGEING RESILIENCE OF CURRENT AND FUTURE
15h40m	063	HOUSING Adriana Luciano, Federica Pascale, Francesco Polverino, Alison Pooley
15h40m	ID	SELECTIVE COLLECTION AND PROCESS OF SOLID URBAN
16h00m	267	WASTE. INTEGRATED MODEL Arribas Ricardo, Rodriguez Cesar
16h00m	ID	STANDARDS FOR SUSTAINABLE DELIVERY OF AFFORDABLE
16h20m	271	HOUSING IN NIGERIA Peter A. Kuroshi
16h20m	ID	DESIGN ASPECTS TO REPAIR AND PROTECT ANCIENT HOUSES
16h60m	244	IN ARCHEOLOGIC AREA: APPLICATION TO A DOMUS IN POMPEII Vincenzo Calvanese, Alessandra Zambrano
16h40m	ID	GREEN AREAS AS A BREATH TO THE RESIDENTIAL CITIES
17h00m	095	AN ANALYTICAL STUDY TO PUBLIC PARKS Yasmeen Elsemary, Hosam Abd el-Aziz Amr
17h00m	ID	RUNOFF COEFFICIENTS: A KEY PARAMETER IN THE DESIGN OF
17h20m	110	RAINWATER HARVESTING SYSTEMS IN BUILDINGS WITH GREEN ROOF Carla Pimentel-Rodrigues, Armando Silva-Afonso, Márcia Lima