Detailed programme of Parallel Sessions

ID	**9th september**
	11:00-12:30
MA1	**SPECIAL SESSION: Sustainable Electric Mobility 1**
	Room 2.2
Chair	*Paulo Pereirinha*
	CHALLENGES AND WORLDWIDE CONTEXT OF E-MOBILITY Robert Stussi
34	MODELING CONSUMER PREFERENCES FOR ELECTRIC VEHICLES: AN EXPLORATORY STUDY Gabriela D. Oliveira, Luís C. Dias, Paula Sarabando
53	ASSESSMENT OF ENERGY REQUIREMENTS AND ENVIRONMENTAL IMPACTS OF ELECTRIC VEHICLES Filipe J. Soares, Pedro M. Rocha Almeida, Pedro Iria, João A. Peças Lopes
137	A PERSPECTIVE OF URBAN ELECTRIC MOBILITY: DAILY ELECTRIC VEHICLE SCENARIO ANALYSIS USING ENERGY BOX TECHNOLOGY Paulo G. Pereirinha, João P. Trovão, Hugo Neves de Melo, Humberto Jorge, Carlos Henggeler Antunes
MA2	**SPECIAL SESSION: Life-cycle assessment in the built environment**
	Room 2.3
Chair	*Stuart Batterman*
78	COMPARATIVE LIFE-CYCLE ANALYSIS OF RESIDENTIAL TYPOLOGIES IN LISBON, PORTUGAL: AN APARTMENT BUILDING AND TWO SEMI-DETACHED HOUSES Joana Bastos, Stuart Batterman, Fausto Freire
83	ENVIRONMENTAL PRODUCT DECLARATION FOR CERAMIC TILE Marisa A. Almeida, Martha Demertzi, Ana C. Dias, Luís Arroja
126	ADDRESSING OCCUPANCY IN THE ENERGY AND GREENHOUSE GAS ASSESSMENT OF BUILDING RETROFIT Carla Rodrigues, Fausto Freire
131	ENERGY AND CARBON ASSESSMENT OF CONSTRUCTION MATERIALS FOR A MODULAR PREFAB HOUSE Vanessa Tavares, Fausto Freire, Nuno Lacerda
MA3	**SMART CITIES: Energy Storage and Human Dimensions**
	Room 2.4
Chair	*Pedro Moura*
97	ASSESSMENT OF BEST LOCATION OF DISTRIBUTED STORAGE USING IMPROVED GENETIC ALGORITHMS' José António Ribeiro Gonçalves, Romeu M. Vitorino, Luís M. P. Neves, António Gomes Martins
68	ENERGY STORAGE SYSTEM FOR COMMUNITIES Maximilian Votteler
140	HUMAN DIMENSION AND DEMAND-SIDE MANAGEMENT: CONNECTING AREAS Catarina M. C. Sabino, António G. Martins
85	SUSTAINABILITY AS ARCHITECTURE FOR PEOPLE - THE CASE OF FOOTBALL STADIUMS Susana Lucas, Armando Silva-Afonso, Victor Ferreira

	11:00-12:30
MA4	**POLICY AND ASSESSMENT: Energy policy**
	Room 2.5
Chair	*Viktors Zebergs*
37	RISK-ADJUSTED EVALUATION OF FOSSIL FUELS' COST: NA INTROSPECTIVE ON THE RISK RELATED TO FOSSIL FUELS
	Dario Ruffa
18	BANKING AND BACKLOADING EMISSION PERMITS
	Corinne Chaton, Anna Creti, Bénoît Péluchon
16	THE POLICY COHERENCE FOR THE IMPLEMENTATION OF SUSTAINABLE ENERGY ACTION PLANS ON NATIONAL, REGIONAL AND MUNICIPAL LEVELS
	Namejs Zeltins, Viktors Zebergs, Gita Actina, Indra Niedrite
45	THE SOCIAL CONSTRUCTION OF HEATING AND COOLING PRACTICES
	Susana Fonseca
	14:00-16:00
MB1	**CLEANER ENERGY SUPPLY: Renewable Energy**
	Room 2.2
Chair	*Almerindo Ferreira*
118	A HOLISTIC APPROACH TO SOLAR ENERGY PRODUCTION AND MANAGEMENT FOR SUSTAINABLE DEVELOPMENT
	George Papageorgiou, Athanasios Maimaris, Savvas Hadjixenophontos
11	DEVELOPING A NOVEL METHOD FOR PREDICTING NEARSHORE WAVE ENERGY IN MATOSINHOS, PORTUGAL
	Mohammad Mohaghar, Zeinab Mousavi Karimi, Almerindo D. Ferreira
32	MULTI CRITERIA ANALYSIS OF LOW VOLTAGE GRID EXPANSIONS
	Tobias Luehn, Katharina Amann, Genoveva Schmidtmann, Jutta Geldermann
105	PRE-TREATMENT OF FOREST RESIDUAL BIOMASS FOR USE IN SMALL-SCALE BIOENERGY PRODUCTION SYSTEMS
	Valeria Reva, Samuel Valente, José J. Costa, Daniel Vaz
MB2	**SPECIAL SESSION: Biofuels & Bioenergy 1**
	Room 2.3
Chair	*Fausto Freire*
77	EVALUATION OF THE SUSTAINABILITY OF INDUSTRIAL BIOHYDROGEN PRODUCTION BY MICROALGAE, AND INTEGRATION IN TAXI/BUS TRANSPORT SYSTEMS
	Carla M. Silva, Ana F. Ferreira, João F. Ribau
79	MICROALGAE BIOMASS HARVESTING BY ELECTROCOAGULATION
	Cristina T. Matos, Marta Santos, Beatriz P. Nobre, Luísa Gouveia
129	TECHNOLOGY EXPERTS VISIONS FOR MICROALGAE BIOFUELS: A DELPHI STUDY
	Lauro André Ribeiro, Patrícia Pereira da Silva
122	SUSTAINABILITY EVALUATION OF BIODIESEL FROM MICROALGAE SCENEDESMUS OBLIQUUS GROWN IN BREWERY WASTEWATER
	Teresa M. Mata, João Nunes, Ana C. Melo, António A. Martins, Nídia S. Caetano
123	LIPID CONTENT AND PRODUCTIVITY OF ARTHROSPIRA PLATENSIS AND CHLORELLA VULGARIS UNDER SALINITY STRESS AND MIXOTROPHIC GROWTH CONDITIONS
	Teresa M. Mata, Octávio Oliveira, Sandra Oliveira, Adélio M. Mendes, Nídia S. Caetano

	14:00-16:00
MB3	**BUILDINGS AND END-USES: Buildings 1**
	Room 2.4
Chair	*John Gelegenis*
60	NEW ENERGY PERFORMANCE INDEXES FOR ENERGY-EFFICIENT INTERACTIVE BUILDINGS Marta O. Panão, Susana L. Camelo, Helder Gonçalves
62	APPLYING A MULTICRITERIA MODEL TO EVALUATE RENOVATION MEASURES IN THE EXISTING BUILDING STOCK AT URBAN SCALE Dulce H. Coelho, Carlos Henggeler Antunes, António G. Martins
80	MULTI-ATTRIBUTE CLASSIFICATION OF HOUSING CONSERVATION STATUS IN URBAN REGENERATION ACTIONS Eduardo Natividade-Jesus, João Coutinho-Rodrigues, Lino Tralhão, Nuno Sousa
127	DEFINITION OF REFERENCE BUILDINGS FOR ENERGY PERFORMANCE CALCULATION – PORTUGUESE CASE Catarina Serra, Nuno Simões, Sérgio Tadeu, António Tadeu
10	ENERGY EFFICIENCY MEASURES IN PORTUGUESE RESIDENTIAL BUILDINGS CONSTRUCTED BEFORE 1960: A COST-OPTIMAL ASSESSMENT Sérgio Tadeu, Nuno Simões, João Ribeiro, Márcio Gonçalves, António Tadeu

	16:30-18:45
MC1	**SPECIAL SESSION: Energy Behaviours**
	Room 2.2
Chair	*Marta Lopes*
51	THE ROLE OF SAVINGS IN ENERGY MANAGEMENT Jorge M. S. Rocha
84	BROADENING THE ENERGY SAVINGS POTENTIAL OF PEOPLE: FROM TECHNOLOGY AND BEHAVIOR TO CITIZEN SCIENCE AND SOCIAL POTENTIAL Kathryn B. Janda, Mithra Moezzi
104	EFFICIENT LIGHTING DESIGN FOR A MUSEUM EXHIBITION ROOM Luís M. Pedro, Paulo F. Tavares, Dulce H. Coelho
96	FEATURES OF THE MEASURED ATTITUDE TO ACCEPTING A DEMAND-RESPONSE ENABLING TECHNOLOGY IN USING ELECTRICITY AT HOME AND ITS ROLE IN FORECASTING INTENTION AND WILLINGNESS TO TRY Maria Sao Joao Breda, Marta Lopes
52	ENERGY BEHAVIOUR CHANGES DURING THE TRANSITION TO SMART(ER) GRIDS: A KEY TO FOSTER HIGHER LEVELS OF ENERGY EFFICIENCY Marta Lopes, Carlos Henggeler Antunes, Paulo Peixoto, Nelson Martins, Maria São João Breda
25	ENERGY MANAGEMENT IN RESIDENTIAL SECTOR AND EVALUATION OF HOUSEHOLDS' ACCEPTANCE FOR SOLAR MICROGENERATION SYSTEM Mehrshad Radmehr, Ken Willis, Ugo Elinwa Kenechi

16:30-18:45

MC2	**SPECIAL SESSION: Biofuels & Bioenergy 2**
	Room 2.3
Chair	*Gil Anderi da Silva*
41	LIFE CYCLE ASSESSMENT OF BIODIESEL PRODUCTION UNIT FROM FRYING OIL Flávio Orlandin, V. M. Santos, V. G. Maciel, W. Menezes, R. Ligabue, M. Seferin
44	LIFE CYCLE ASSESSMENT OF GLYCEROL, BY PRODUCT OF BIODIESEL PRODUCTION Wagner Menezes, M. F. Paim, V. G. Maciel, M. Portilho, S. Einloft, M. Seferin
49	LIFE CYCLE INVENTORY OF SOYBEAN IN THE STATE OF RIO GRANDE DO SUL, BRAZIL Vinícius Gonçalves Maciel, W. Menezes, V. H. J. M. Santos, S. Einloft, M. Seferin
73	LIFE CYCLE ASSESSMENT OF BIOENERGY FROM EUCALYPT FOREST RESIDUES Ana Cláudia Dias, Luis Arroja
128	A COMPARATIVE LIFE CYCLE ASSESSMENT OF BIODIESEL FROM SOYBEAN OIL AND BEEF TALLOW IN BRAZIL Suani Teixeira Coelho, Gil Anderi Silva, Fausto Freire, Renata Grisoli, Érica Castanheira, Vanessa Pecora Garcilasso, Alex Nogueira
MC3	**BUILDINGS AND END-USES: Buildings 2**
	Room 2.4
Chair	*Marta Panão*
144	ASSESSMENT OF AIR INFILTRATION RATES IN PORTUGUESE DWELLINGS BY THE METABOLIC CO2 METHOD Maria Rocheta Gomes, Manuel Gameiro da Silva, Nuno Simões
27	THE USE OF ENERGY SIMULATION TOOLS FOR A BETTER DESIGN: EVALUATION OF A THERMAL MODELING AND CALIBRATION METHOD IN A BUDGET HOTEL IN BRAZIL Anarrita B. Buoro, Marcia P. Alucci, Alberto Hernandez
48	THE IMPACT OF THE AUTOMATION AND CONTROL SYSTEMS ON THE ENERGY PERFORMANCE OF BUILDINGS: A CASE-STUDY OF A HOTEL BUILDING Júlio S. da Silva, Inácio A. Fonseca, Dulce H. Coelho, Fernando J. Lopes
143	THE DEFINITION OF VENTILATION REQUIREMENTS IN THE RECENT REVISION OF PORTUGUESE REGULATION Manuel Gameiro da Silva, José Joaquim Costa, Armando Pinto, Ana Margarida Pinto, Paulo Santos
64	COMPARISON BETWEEN SEPARATED AND MECHANICALLY COUPLED TWIN ASCENDANT AND DESCENDANT ESCALATORS Fernando J. T. E. Ferreira, Aníbal T. de Almeida

	16:30-18:45
MC4	**SPECIAL SESSION: Energy Markets**
	Room 2.5
Chair	*Patrícia Pereira da Silva*
112	RELATIONSHIP BETWEEN OIL PRICES AND WORLD SECTOR STOCK RETURNS: USING WAVELETS Mara Madaleno, Carlos Pinho
113	DOES OIL PRODUCTION PROMOTE ECONOMIC GROWTH IN OPEC COUNTRIES? José Alberto Fuinhas, António Cardoso Marques, Tânia Noélia Quaresma
107	ELECTRICITY INTEGRATION IN SOUTH AMERICA Nivalde J. de Castro, André Luis S. Leite, Roberto Brandão
109	TRANSACTIONS COSTS ECONOMICS, PROPERTY RIGHTS AND FIRMS' STRATEGIES IN THE BRAZILIAN POWER INDUSTRY Edvaldo A. Santana, Dilcemar P. Mendes
110	EXPLANATORY VARIABLES ON CENTRAL-WEST SPOT ELECTRICITY MARKETS INTEGRATION Nuno Carvalho Figueiredo, Patrícia Pereira da Silva
111	ENVIRONMENTAL POLICY IMPACT ON DIRTY VERSUS ECOLOGICAL TECHNOLOGY IN AN ENDOGENOUS GROWTH MODEL Mónica Meireles, Isabel Soares, Oscar Afonso

ID	10th september 9:00-11:00
TA1	**SPECIAL SESSION: Sustainable Electric Mobility 2** Room 2.2
Chair	*Luis Dias*
74	ELECTRIC MOBILITY: IMPACT ON OVERALL GHG EMISSIONS AND ON THE ELECTRICAL GRID Ricardo Faria, Nuno Melo, Pedro Moura, Joaquim Delgado, Aníbal Traça de Almeida
133	LIFE CYCLE ASSESSMENT OF ELECTRIC AND CONVENCIONAL CARS IN PORTUGAL Pedro Marques, Rita Garcia, Fausto Freire
134	COMMUNICATING LIFE-CYCLE ASSESSMENT RESULTS: A COMPARISON OF VEHICLE ALTERNATIVES IN PORTUGAL Ana Rita Domingues, Pedro Marques, Rita Garcia, Fausto Freire, Luís Dias
135	A FLEET-BASED LIFE-CYCLE ASSESSMENT OF ELECTRIC VEHICLES IN PORTUGAL Rita Garcia, Fausto Freire
142	COMPARATIVE LIFE-CYCLE ASSESSMENT OF TWO CAR ARMRESTS PRODUCED AT CIE PLASFIL Carlos Ferreira, Cláudia Esteves, Pedro Silva, Gonçalo Tomé, Fausto Freire
TA2	**SPECIAL SESSION: Biofuels & Bioenergy 3** Room 2.3
Chair	*Suani Teixeira Coelho*
124	GHG EMISSIONS ANALYSIS OF BIODIESEL FROM WASTE COOKING OIL IN PORTUGAL Carla Caldeira, João Queirós, Érica Castanheira, Fausto Freire
125	GREENHOUSE GAS FOOTPRINT OF PALM OIL FROM COLOMBIA Érica Castanheira, Fausto Freire
138	COMPARATIVE GHG ASSESSMENT OF BIODIESEL PRODUCED FROM RAPESEED, SOYBEAN AND SUNFLOWER João Malça, Érica Castanheira, Filipa Figueiredo, Renato Carvalho, Fausto Freire
139	DETERMINATION OF TOXICOLOGICAL CHARACTERISATION FACTORS BASED ON PARAMETERS DEFINED BY REACH Carlos Ferreira, José Ribeiro, Fausto Freire
119	HUMAN HEALTH AND ENVIRONMENTAL IMPACTS IN SOYBIODIESEL PRODUCTION: LIMITS AND DIFFERENCES AMONG CURRENT INDICATORS Francesco Spina, Jan Bart, Maria Francesca Milazzo

	9:00-11:00
TA3	**BUILDINGS AND END-USES: Buildings 3**
	Room 2.4
Chair	*José Costa*
14	GREEN OFFICE OF THE UTFPR: FIRST GREEN BUILDING CERTIFIED IN A BRAZILIAN UNIVERSITY CAMPUS
	Eloy Fassi Casagrande Junior, Bruno Kobiski, Libia Patricia P. Agudelo
31	RETROFITING OF ENERGY SYSTEM IN A PUBLIC SERVICES BUILDING
	João R. Galvão, Licínio M. Moreira, Gonçalo F. Gaspar, Samuel C. Vindeirinho, Sérgio A. Leitão
59	A MULTI–INTERFACE SOFTWARE DESIGNED TO SHARE GEOMETRIES WITHIN DIFFERENT SIMULATION TOOLS
	João Mariz Graça, João Bento, Helder Gonçalves
141	COUPLING ENERGYPLUS AND GENOPT TO OPTIMIZE THE INCORPORATION OF PCM-DRYWALLS IN LIGHTWEIGHT STEEL FRAMED BUILDINGS
	Nelson Soares, Adélio Gaspar, José J. Costa, Paulo Santos
29	DYNAMIC SIMULATION AND ENERGY CERTIFICATION OF A SPANISH UNIVERSITY BUILDING USING DIFFERENT TOOLS
	Francisco Javier Rey Martínez, Cristina Cano Herrador, Eloy Velasco Gómez, Manuel Andrés Chicote, Sergio L. González González
TA4	**SPECIAL SESSION: Sustainability of Food Systems**
	Room 2.5
Chair	*Luis Arroja*
75	ENVIRONMENTAL PERFORMANCE OF THE PORTUGUESE DAIRY SECTOR
	Sara González-García, Erica G. Castanheira, Ana Cláudia Dias, Luis Arroja
76	LIFE CYCLE ASSESSMENT OF SARDINE CAPTURED BY PURSE SEINERS IN PORTUGAL
	Sara Belo, Mafalda Silva, Ana Dias, Sara González-García, Luís Arroja
102	LIFE-CYCLE GREENHOUSE GAS EMISSIONS OF PORTUGUESE OLIVE OIL
	Filipa Figueiredo, Vlad Constantin Coroama, António Ramos, Arlindo Almeida, Elsa Ramalhosa, Érica Geraldes Castanheira, Fátima Peres, João Carneiro, José Alberto Pereira, Manuel Feliciano, Paulo Gomes
121	CARBON FOOTPRINT OF APPLE AND PEAR: ORCHARDS, STORAGE AND DISTRIBUTION
	Filipa Figueiredo, Érica G. Castanheira, Manuel Feliciano, M. Ângelo Rodrigues, António Peres, Filipe Maia, António Ramos, João Carneiro, Vlad C. Coroama, Fausto Freire
132	LIFE-CYCLE ASSESSMENT OF SUNFLOWER ADDRESSING LAND USE CHANGE
	Filipa Figueiredo, Érica Castanheira, Fausto Freire
	14:30-16:00
TB1	**SUSTAINABILITY IN CITIES**
	Room 2.2
Chair	*João Coutinho-Rodrigues*
43	INVESTIGATING THE RELATIONSHIP BETWEEN PERSONAL VALUES AND ENERGY EFFICIENCY IN GRADUATES' ACCOMMODATION
	Máté János Lőrincz, Sharon George, Joanna Wright, Zoe Robinson
82	IMPROVING BY SUSTAINABILITY IN SPORT FACILITIES
	Susana Lucas, Armando Silva-Afonso, Victor Ferreira
5	THE COMPLETE ECO-DESIGN AS THE FIRST STRATEGY TO REACH THE ZERO CO2 BUILDING: THE LUCIA BUILDING CASE IN SPAIN
	Francisco Valbuena, Mª Jesús González
89	BUILDING A BICYCLE SUITABILITY MAP FOR COIMBRA
	Nuno Ribeiro, Lino Tralhão, João Coutinho-Rodrigues, Nuno Sousa

	14:30-16:00
TB2	**SPECIAL SESSION: Biofuels & Bioenergy 4**
	Room 2.3
Chair	*Stelios Rozakis*
136	CAPTURING LAND USE CHANGE AND UNCERTAINTY IN THE LIFE-CYCLE MODELING OF SUGAR-BEET BASED BIOETHANOL João Malça, Fausto Freire
120	A MULTI-OBJECTIVE INPUT-OUTPUT MODEL TO ASSESS ECONOMIC-ENERGY-ENVIRONMENT INTERACTIONS IN THE BRAZILIAN ECONOMY AND SUGARCANE BIOETHANOL PRODUCTION Ariovaldo L. Carvalho, Carlos Henggeler Antunes, Fausto Freire
93	FINANCIAL INCENTIVES FOR RISK-AVERSE FARMERS TO ESTABLISH PERENNIAL ENERGY CROPS IN POLAND Panagioula Mathiou, Stelios Rozakis, Rafal Pudelko, Antoni Faber
115	STRATEGIES FOR OPTIMIZATION OF THE DOMESTIC USED COOKING OIL TO BIODIESEL CHAIN. THE EUROPEAN PROJECT RECOIL Orlando Paraíba, Teocharis Tsoutsos, Stavroula Tournaki, Dalila Antunes
TB3	**BUILDINGS AND END-USES: Buildings 4**
	Room 2.4
Chair	*António Tadeu*
	SUSTAINABLE BY NATURE Carlos Manuel
46	POST OCCUPANCY EVALUATION: A COST AND TIME EFFECTIVE METHODOLOGY Oliver Kinnane, Mark Dyer
24	GREEN ROOFS AND FACADES FROM A HUMAN DIMENSION PERSPECTIVE: RAISING COMMUNITY AWARENESS Ricardo Almeida, Catarina Sabino, Divo Quintela
26	AUTOMATION OF PASSIVE PROCESSES – INOVADOMUS: A METHODOLOGY ADAPTED TO A BUILDING REHABILITATION Bruno Marques, Luís Pestana Baptista
TB4	**SMART CITIES: Metering and Control**
	Room 2.5
Chair	*Carlos Henggeler Antunes*
40	CHARACTERIZATION OF SMART GRIDS IMPACTS ON SMART CITIES POWER SYSTEMS Mário Couto, José Nuno Fidalgo
101	A MODEL FOR AN ENERGY BOX AGGREGATOR Andreia M. Carreiro, Carlos Henggeler Antunes, Humberto Jorge
55	AN EVOLUTIONARY STRATEGY FOR MANAGING DOMESTIC LOADS Ana Soares, Álvaro Gomes, Carlos Henggeler Antunes, Gonçalo Nunes
67	ANALYSING THE ROLE OF RESIDENTIAL ELECTRICITY STORAGE AND EVALUATING THE GRID IMPACT João M. Santos, Pedro S. Moura, Aníbal T. de Almeida

	16:30-18:45
TC1	**POLICY AND ASSESSMENT** Room 2.2
Chair	*Eduardo Barata*
71	PREDICTION OF ENERGY CONSUMPTION IN CITIES DEPENDING ON NUMBER OF INHABITANTS AND BUILDING STOCK Dalibor Vytlacil
116	A MULTI-OBJECTIVE MODEL FOR ASSESSING THE IMPACTS OF ENERGY EFFICIENCY MEASURES ON EMPLOYMENT AND GDP Carla Oliveira, Carlos Henggeler Antunes
54	EXTENSION OF THE SOCIAL MARKAL CONCEPT TO RESIDENTIAL HEATING IN TIMES ROMANIA COUNTRY MODEL Roman Kanala, Emmanuel Fragnière, Francesco Moresino
69	URBAN FORMS AND COMMUTING PATTERNS: METROPOLITAN MULTIREGIONAL INPUT-OUTPUT João-Pedro Ferreira, Pedro Ramos, Luis Cruz, Eduardo Barata
19	ECONOMIC GROWTH AND USEFUL WORK João Santos, Rui B. Mota, Tânia Sousa, Tiago Domingos
TC2	**SPECIAL SESSION: Biofuels & Bioenergy 5** Room 2.3
Chair	*João Malça*
98	ANALYSIS OF THE POLLUTANT GAS EMISSIONS IN HEAVY VEHICLES FUELLED WITH BIODIESEL AND CNG (COMPRESSED NATURAL GAS) Ronaldo S. Costa, Bruno B. Stein, Cristiane S. Abreu, Marcelo B. Bastos, Marcus Seferin, Carlos A. Santos
95	ASSESSMENT ON THE ENVIRONMENTAL EFFECT OF ADDING SOYBEAN ETHYLIC BIODIESEL TO FOSSIL DIESEL FOR PASSENGER'S TRANSPORTATION IN URBAN CENTER Alex Rodrigues Nogueira, Luiz Kulay, Gil Anderi da Silva
57	BIOCONVERSION OF RESIDUAL BIOMASS FROM THE CENTRE OF PORTUGAL INTO ENERGY AND CHEMICALS Jorge M. S. Rocha, Cátia V. T. Mendes, M. Graça V. S. Carvalho
66	EFFECTS ON PERFORMANCE, CONSUMPTION AND EMISSIONS OF USING BIODIESEL IN TURBO DIRECT INJECTION DIESEL ENGINE Luís M.V. Serrano, Pedro Jorge, Vasco Coelho, Manuel C.G. da Silva
81	THE USE OF IONIC LIQUIDS (IL) FOR THE PRODUCTION OF BIODIESEL FROM COTTONSEED OILS Nieves María del Carmen Talavera Prieto, Abel Gomes Martins Ferreira, António Alberto Torres Garcia Portugal
130	AGRO-FOOD INDUSTRY RESIDUES FOR BIODIESEL PRODUCTION: BIOFFA PROJECT Paula Costa, Rafał Bogel-Łukasik, Paula C. Passarinho, Ana C. Oliveira

	16:30-18:45
TC3	**BUILDINGS AND END-USES: Buildings 5** Room 2.4
Chair	*Oliver Kinnane*
63	MEASUREMENT OF UPWARD LIGHT FROM CITY CAUSING LIGHT POLLUTION AND ENERGY WASTE Toshie Iwata, Yusuke Tsuyuki, Daisuke Ito, Kenta Tsuda
39	INTEGRATED ANALISIS OF BUILDING AND USERS: A WAY TO REDUCE ENERGY CONSUMPTION Anarrita B. Buoro, Manoel G. Silva, Fernando C. Spalding, Alberto Hernandez, Marco A. Saidel
117	DETECTION OF ROUTINES AND ANOMALIES IN HOUSEHOLD ENERGY CONSUMPTION João A. Sousa, Andreia M. Carreiro, João Cardoso, Soraia Rocha
58	DAYLIGHT AMBIENT LIGHTING SYSTEM WITH GLARELESS BLIND CONTROL FOR SUSTAINABLE OFFICE LIGHTING Koto Mihashi, Tomoko Taniguchi, Toshie Iwata
36	CONTROL CRITERIA OF ELECTROCHROMIC GLASSES AND ENERGY SAVINGS IN DIFFERENT BUILDING TYPOLOGIES Paulo Tavares, Hermano Bernardo, Adélio Gaspar, António Martins
30	END USE ENERGY EFFICIENCY IN RESIDENTIAL BUILDINGS: MODELING DECENTRALIZED SOLUTIONS FOR THE ENERGY SUPPLY OF PRIVATE HOUSEHOLDS Maria Gröger, Mathias Koepke, Thomas Bruckner
TC4	**ENERGY EFFICIENCY IN BUILDINGS AND INDUSTRY** Room 2.5
Chair	*Adélio Gaspar*
15	WATER-LOOP HEAT PUMP AIR CONDITIONING SYSTEM FOR THE IMPROVEMENT OF THE END-USE ENERGY EFFICIENCY AND INDOOR CLIMATE Boriss Petrovs, Namejs Zeltins, Viktors Zebergs, Andrejs Semenako
65	NUMERICAL OPTIMIZATION OF BEST PLACE FOR INSTALLING RADIATOR IN PURSUIT OF INCREASING EFFICIENCY Omid Barati Farimani, Mohammad Ali Gerayeli, Massoud Kheirkhah
100	INDEPENDENT HEATING IN MULTI-FAMILY DWELLINGS, OR HOW AN ENERGY MANAGEMENT MEASURE MAY LEAD TO OVERCONSUMPTION John Gelegenis, Danae Diakoulaki, George Giannakidis, Helen Lampropoulou, Douglas Harris
106	INFLUENCE OF THE VENTILATION STRATEGY AND OPERATION ON THE ENERGY CONSUMPTION OF NON-RESIDENTIAL BUILDINGS IN MODERATE CLIMATES António M. Raimundo, Octávio N. Cardoso, Sara C. Francisco
42	OPTIMISING HEAT RECOVERY BY INTEGRATING INDUSTRIAL HEAT PUMPS WITH OTHER ENERGY SYSTEMS Kenneth Hoffmann
38	MISSING THE “SPARK GAP”: FEASIBILITY STUDY FOR A TRIGENERATION SYSTEM IN A FISH FREEZING INDUSTRY IN PORTUGAL Vitor Ferreira, José Ribeiro, Adélio Gaspar, José Costa, Avelino Oliveira