

Behave



2016 4th European Conference on
Behaviour and Energy Efficiency

8 - 9 September 2016
University of Coimbra, Portugal

Programme

Welcome Letter

We would like to warmly welcome all the participants in the 4th European Conference on Behaviour and Energy Efficiency (Behave 2016). This edition held at the University of Coimbra is jointly organised by the Energy for Sustainability Initiative of the University of Coimbra (Efs-UC) and the Portuguese Agency for Energy (ADENE), member of the European Energy Network (EnR).

Dated from 1290, the document “Scientiae Thesaurus Mirabilis” signed by King Dinis, which was recognised in the same year by Pope Nicholas IV, created one of the oldest universities in the world. A century after the birth of the nation, the University of Coimbra germinated. In 1537 the University was definitely settled in the city of Mondego river.

Research on behaviours associated with energy use plays a fundamental role to achieve more sustainable energy systems, in face of challenges such as security of supply, climate change and evolution to the smart grids. Behave 2016 aims to bring together researchers and practitioners involved in end-use energy efficiency to share recent research, new technological developments and best practices on understanding and influencing behaviour related to energy efficiency. The communications to be presented by more than two hundred participants cover a wide range of topics including instruments, interventions and evaluation of behaviour changes to promote sustainable energy behaviours, adoption and use of low carbon technologies, behavioural potential to facilitate the smart grid and demand response, end-use energy efficiency in buildings and organisations, behaviour in transport and mobility, behaviour integration into energy modelling, multidisciplinary approaches to energy behaviours, behavioural economics and energy policies for promoting behaviour change.

We thank you for your participation in Behave 2016 and hope this event will contribute to establish personal and scientific links between all the participants making the most of their diversified competences and expertise to creatively address the challenges ahead dealing with the role of behaviours to foster end-use energy efficiency.

We wish you a pleasant and fruitful stay in Coimbra.

Carlos Henggeler Antunes
(Chair of the Organising Committee)

Organisation



Agência para a Energia

Partners



MIT Portugal

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Organising Committee

Carlos Henggeler Antunes (Chair), University of Coimbra & INESCC

Ana Soares, University of Coimbra & INESCC

Emilie Carmichael, Energy Saving Trust

Irmeli Mikkonen, Motiva Oy & European Energy Network (EnR)

Jane Goddard, Energy Saving Trust

Luis Silva, Portuguese Energy Agency (ADENE) & European Energy Network (EnR)

Marta Lopes, Polytechnic Institute of Coimbra (IPC-ESAC) & INESCC

Mike Weston, UK Energy Research Centre

Paula Fonseca, University of Coimbra & ISR

Scientific Programme Committee

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Gabriela Prata Dias, Portuguese Energy Agency (ADENE)
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Jillian Anable, University of Leeds
João Peças Lopes, University of Porto
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Jorge Vasconcelos, NEWES - New Energy Solutions
Júlia Seixas, NOVA University of Lisbon & CENSE
Karen Ehrhardt-Martinez, University of Colorado
Kathryn Janda, Environmental Change Institute - Oxford University
Luis Mundaca, Lund University
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Manuel Gameiro, University of Coimbra
Martina Schäfer, Technische Universität Berlin
Michael Ornetzeder, Austrian Academy of Sciences
Mithra Moezzi, Portland State University
Nelson Martins, University of Aveiro
Ole Michael Jensen, Danish Building Research Institute
Päivi Laitila, Motiva Oy
Paolo Bertoldi, DG JRC - European Commission
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Paulo Peixoto, University of Coimbra & Centre of Social Studies
Pedro Moura, University of Coimbra
Reinhard Madlener, E.ON Energy Research Center & RWTH Aachen University
Ruth Mourik, DuneWorks
Sarah Darby, Environmental Change Institute - Oxford University
Sea Rotmann, New Zealand's Energy Efficiency and Conservation Authority
Tiago Farias, University of Lisbon
Vítor Leal, University of Porto

Programme Overview

THURSDAY, 8th September

- 08:00 - 08:45 Registration
- 08:45 - 09:00 **Welcome Session**
- 09:00 - 10.30 **Plenary Session**
- 10:30 - 11:00 Coffee-break
- 11:00 - 13:00 **Parallel Sessions A**
- 13:00 - 14:30 Lunch
- 14:30 - 16:30 **Parallel Sessions B**
- 16:30 - 17:00 Coffee-break
- 17:00 - 18:20 **Parallel Sessions C**
- 20:00 **Conference dinner**

FRIDAY, 9th September

- 09:00 - 10:30 **Plenary Session**
- 10:30 - 11:00 Coffee-break
- 11:00 - 13:00 **Parallel Sessions D**
- 13:00 - 14:30 Lunch
- 14:30 - 16:30 **Parallel Sessions E**
- 16:30 - 17:00 Coffee-break
- 17:00 - 18:20 **Parallel Sessions F**

Thursday, 8th September

08:00 - 08:45 **Registration**

08:45 - 09:00 **Welcome Session**

João Gabriel Silva, Rector of the University of Coimbra
 Luis Neves, Dean of the Faculty of Sciences and Technology, University of Coimbra
 António Gomes Martins (Chair), EFS - University of Coimbra
 Gabriela Prata Dias, ADENE - Agência para a Energia

Room: Auditorium 17 de Abril

10:30 - 11:00 **Coffee-break**

11:00 - 13:00 **Parallel Sessions**

Parallel Sessions A		
A1. Behaviour change interventions	A2. End-use energy efficiency in buildings and organisations	A3. Behaviour integration into energy modelling
Chair: Ellen Christiansen	Chair: Kathryn Janda	Chair: Ken-ichiro Nishio
Room: Padre Monteiro da Rocha	Room: Pedro Nunes	Room: 2.4
ENERGY EFFICIENCY MOVING THE FOCUS FROM INDIVIDUAL TO COMMUNITY BEHAVIOUR	THE WICKED AND WILD CHALLENGES OF FOSTERING ENERGY EFFICIENCY ENGAGEMENT IN PRIVATE AND PUBLIC ORGANISATIONS	DAILY ELECTRICITY PROFILES FROM SMART METERS - PROXIES OF ACTIVE BEHAVIOUR FOR SPACE HEATING AND COOLING
Clare Watson, Gerard Mullally and Brian Ó Gallachóir	Richard J. Bull and Kathryn B. Janda	João Pedro Gouveia, Júlia Seixas and Ana Mestre
MOTIVATIONAL AND HINDERING ASPECTS REGARDING THE PARTICIPATION IN A COMMUNITY ENERGY PROJECT	ASSESSING SUSTAINABLE RETROFITS OF PUBLIC NON-RESIDENTIAL BUILDINGS	LOAD SIGNATURE ANALYSIS OF RESIDENTIAL END-USES. A NEW MODEL FOR LOAD DISAGGREGATION IN MICRO AND MACRO SCALE LEVEL
Julia Koch, Sven Allemann, Silvia Banfi Frost and Oliver Christ	Daniel Kierdorf, Sebastian Botzler and Christina Dotzler	Mario Ortiz, A. Gabaldón and R. Molina
A CO-CREATION APPROACH TO GREEN TRANSITION	A LIVING LAB CO-CREATIONAL APPROACH TO ENERGY DEMAND REDUCTION IN NON-DOMESTIC BUILDINGS: UNDERSTANDING THE ORGANISATION	EVENING PRACTICES MATERIALITY AND ELECTRICITY CONSUMPTION IN FRANCE
Ellen Christiansen	Lynda Webb, Evan Morgan, Kate Carter,	Mathieu Durand-Daubin
KEEPING UP WITH THE JONESES: EXAMINING COMMUNITY-LEVEL COLLABORATIVE AND COMPETITIVE GAME MECHANICS TO ENHANCE HOUSEHOLD ELECTRICITY-SAVING BEHAVIOUR	(GREEN) LEASES AS TOOLS TO OVERCOME BARRIERS TO ENERGY UPGRADES IN COMMERCIAL PROPERTIES	A LIBRARY OF BUILDING OCCUPANT BEHAVIOUR MODELS REPRESENTED IN A STANDARDISED SCHEMA
Devon Wemyss, Roberta Castri, Vanessa De Luca, Francesca Cellina, Vivian Frick, Evelyn Lobsiger-Kägi, Pamela Galbani Bianchi, Christian Hertach, Tobias Kuehn and Vicente Carabias	Susan Bright	Zsofia Belafi, Tianzhen Hong and Andras Reith
ENERGYNEIGHBOURHOODS: SAVING ENERGY AND LEARNING ABOUT SUSTAINABLE LIFESTYLES IN SMALL GROUPS	ATTITUDES TOWARDS ENERGY EFFICIENCY – A COMPARISON OF ENERGY MANAGEMENT SPECIALISTS AND OTHER EMPLOYEES	ANALYZING ELECTRICITY DEMAND STRUCTURE BY USING INCOMPLETE BUT DETAILED MEASURED HOURLY CONSUMPTION DATA
Edina Vadovics, K. Vadovics and B. Boza-Kiss	Rupert Zierler, Walter Wehrmeyer and Richard Murphy	Ken-ichiro Nishio and Toshihiro Mukai
	BEYOND VISUALIZATION IN OFFICE WORKPLACES	
	Magdalena Boork, Cecilia Katzeff and Therese Balksjø	
13:00 - 14:30	Lunch	

09:00 - 10:30

Plenary Session

Chair: Carlos Henggeler Antunes, University of Coimbra

FUTURE LOW CARBON ENERGY SYSTEMS, TECHNOLOGY REVOLUTION OR BEHAVIOUR REVOLUTION?

Mark O'Malley, University College Dublin - Sponsored by Nature Energy

ENERGY RESEARCH, SOCIAL SCIENCE AND THE HUMANITIES: EU POLICY CHALLENGES AND RESEARCH SUPPORT OPPORTUNITIES

Gerd Schönwälder, European Commission

Room: Auditorium 17 de Abril

Parallel Sessions A (cont.)		
A4. Adoption and use of low carbon technologies	A5. Behaviour in transport and mobility	A6. Multidisciplinary approaches to energy behaviours
Chair: Paula Fonseca Room: Gomes Teixeira	Chair: Elisabeth Dütschke Room: 5.1	Chair: John Thøgersen Room: 3.1
NEAR ZERO CARBON CARE HOME DESIGN IN THE UK Shan Shan Hou and Phil Jones	UNDERSTANDING DRIVER BEHAVIOUR: OPPORTUNITIES FOR GREATER EFFICIENCY Michelle Grace Scott and Rob Lawson	MAPPING THE RESEARCH ABOUT RESIDENTIAL ENERGY CONSUMPTION BEHAVIOUR: A BIBLIOMETRIC ANALYSIS Francisco P. Costa and Elsa Fontinha
GLOBAL CONSUMER STUDY TO IDENTIFY THE POTENTIAL OF WATER SAVING IN DISHWASHING Lara Belke, Writi Maitra and Rainer Stamminger	PEOPLE'S IN HOME AND OUT OF HOME ENERGY CONSERVATION ADAPTATION STRATEGY IN RESPONSE TO HYPOTHETIC ENERGY PRICE POLICIES Dujuan Yang and Harry Timmermans	HOUSEHOLD ARCHETYPES AND BEHAVIOURAL PATTERNS IN UK DOMESTIC ENERGY USE Hui Ben and Koen Steemers
DISHWASHING BEHAVIOUR OF EUROPEAN CONSUMERS WITH REGARD TO ACCEPTANCE OF LONG PROGRAMME CYCLES Ina Hook, Angelika Schmitz and Rainer Stamminger	WHY ARE INDIVIDUALS LIKELY TO CHANGE TO SUSTAINABLE MODES OF TRANSPORT LIKE CARSHARING AND ELECTRIC VEHICLES? AN EMPIRICAL ANALYSIS Elisabeth Dütschke and Anja Peters	FROM SEGMENTING MEASURES TO MEASURING SEGMENTS: THE CASE OF ENERGY CULTURES CLUSTERS Ben Wooliscroft
TRANSITION TO AN INTELLIGENT USE OF CLEANER BIOMASS STOVES Ricardo L. Carvalho, Ole M. Jensen, Estela D. Vicente and Luís A.C. Tarelho	"TIMES ARE CHANGING" – WHY PEOPLE CHANGE THE WAY THEY TRAVEL. FINDING AND EXPLAINING SPECIFIC REASONS FOR CHANGES IN TRAVEL MODES Markus Hackenfort, Cathérine Hartmann and Ester Reijnen	THE PERSONAL AND PROFESSIONAL IN RESEARCHING END-USE ENERGY EFFICIENCY Sam Staddon
SOLAR PHOTOVOLTAIC (PV) SYSTEMS IN GERMAN HOUSEHOLDS: DO DIFFERENT INCENTIVE FRAMEWORKS MATTER FOR MOTIVATIONS AND PV USE? Inga Wittenberg and Ellen Matthies	USING MILIEU-BASED COMMUNICATION STRATEGIES FOR CHANGING MOBILITY BEHAVIOUR TOWARDS LOW ENERGY MODES Karin Markvica, Nadine Haufe and Alexandra Milonig	THE ROLE OF KNOWLEDGE ABOUT USER BEHAVIOUR IN DEMAND HOT WATER USAGE Seyed Amin Tabatabaei and Michel Klein
	IMAGINED PRACTICES AND THE FUTURE OF PERSONAL MOBILITY Noam Bergman and Tim Schwanen	HOUSING RELATED LIFESTYLE AND ENERGY SAVING John Thøgersen

Thursday, 8th September

14:30 - 16:30 **Parallel Sessions**

Parallel Sessions B		
B1. Behaviour change interventions	B2. End-use energy efficiency in buildings and organisations	B3. Behaviour integration into energy modelling
Chair: Kimberley C. O'Sullivan	Chair: Christine Boomsma	Chair: Sebastian Botzler
Room: Padre Monteiro da Rocha	Room: Pedro Nunes	Room: 2.4
SAVE@WORK: CHANGING BEHAVIOUR AND SAVING ENERGY IN PUBLIC BUILDINGS IN THE FRAMEWORK OF A EUROPEAN PROJECT	ELECTRICITY CONSUMPTION IN PORTUGUESE HOUSEHOLDS. RECENT DEVELOPMENTS IN CONSUMERS' BEHAVIOUR	KNOWLEDGE BASED BEHAVIOUR MODELLING: DEPENDENCIES AND ENERGY CONSUMPTION IMPACT OF SPECIFIC OCCUPANT BEHAVIOUR PARAMETERS
Edina Vadovics, K. Vadovics and A. Merziger	Júlia Mendonça Boucinha, Catarina Feteira Inácio and Manuela Albuquerque Coelho	Sebastian Botzler and Laura Kellermann
GAMIFYING ORGANIZATIONAL ENERGY BEHAVIOUR CHANGE: THE ORBEET FRAMEWORK	DETECTING PATTERNS IN HOUSEHOLD ELECTRICITY CONSUMPTION AFTER BEHAVIOURAL INTERVENTIONS	MODELING OF ELECTRICITY SAVINGS IN THE DANISH HOUSEHOLD SECTOR USING BALMOREL
Stella Doukianou, Ian Dunwell and Pamela M. Kato	Nitin Bhushan, Casper Albers and Linda Steg	Alessio Trivella and Mattia Baldini
MAXIMISING ENERGY EFFICIENT BEHAVIOURS: REDUCING ENERGY EXPENDITURE THROUGH IMPROVED UNDERSTANDING OF ENERGY BEHAVIOURS AND BEHAVIOUR CHANGE	HOW MUCH ELECTRICITY DO YOU USE AT HOME? AN INVESTIGATION INTO HOUSEHOLDERS' LITERACY FOR COMPREHENDING DOMESTIC ELECTRICITY DATA	USER BEHAVIOUR AND REBOUND EFFECT IN RESIDENTIAL BUILDINGS
Tyrone Anderson, Eleanor Forest and Andrew Leggatt	Melanie R. Herrmann, Duncan P. Brumby and Tadj Oreszczyń	Francesco Madonna, Simona Paduos and Vincenzo Corrado
SUSTAINABLE PRACTICES IN OFFICE BUILDINGS: APPLYING SOCIAL PRACTICE THEORY AND REFLECTIVE DESIGN INTERVENTIONS	ENERGY SAVING BEHAVIOURS AMONG SOCIAL HOUSING TENANTS: EXPLORING THE RELATIONSHIP WITH DWELLING CHARACTERISTICS, MONETARY CONCERNS, AND PSYCHOLOGICAL MOTIVATIONS	CORRELATION BETWEEN REBOUND EFFECT AND HOUSEHOLD INCOME – A SYSTEM DYNAMICS APPROACH
Natalia Romero Herrera, Jantien Doolaard, Olivia Guerra-Santin, Tomasz Jaskiewicz and David Keyson	Christine Boomsma, Rory V. Jones, Sabine Pahl and Alba Fuertes	Reza Fazeli, Brynhildur Davidsdottir and Ehsan Shafiei
SPORTS CLUBS AS MULTIPLIERS FOR ENERGY-SAVING CAMPAIGNS? DEVELOPING AND EVALUATING A MOBILITY INTERVENTION TOGETHER WITH THE CITY OF WINTERTHUR (SWITZERLAND)	ON DEMAND: EVALUATION OF A BEHAVIORAL AUTOMATED DEMAND RESPONSE FIELD EXPERIMENT	THE ROLE OF INHABITANTS BEHAVIOUR IN THE PREBOUND EFFECT OF HOUSING ENERGY CONSUMPTION
Corinne Moser, Vivian Frick, Yann Blumer, Michael Stauffacher and Roman Seidl	Joana Abreu and Basilio Simões	Madalena Ferreira and Marta Oliveira Panão
COOL AT SCHOOL? PILOT STUDY: MIXED METHODS ACTION RESEARCH WITH YOUTH TO INVESTIGATE THE INDOOR ENVIRONMENTS OF NEW ZEALAND CLASSROOMS		REDUCING THE PERFORMANCE GAP BY ANALYSING SPECIFIC COMBINATIONS OF OCCUPANT AND BUILDING CHARACTERISTICS
Kimberley C. O'Sullivan, Helen Viggers, Philippa Howden-Chapman and Waiopahu College Social Action Research Team 2016		Paula van den Brom, Arjen Meijer and Henk Visscher

16:30 - 17:00 **Coffee-break**

Parallel Sessions B (cont.)		
B4. Adoption and use of low carbon technologies	B5. Behaviour in transport and mobility	B6. Multidisciplinary approaches to energy behaviours
Chair: Irmeli Mikkonen	Chair: Cathérine Hartmann	Chair: Marta Lopes
Room: Gomes Teixeira	Room: 5.1	Room: 3.1
THE ROLE OF CULTURE IN CONSUMPTION BEHAVIOUR AND ADOPTION OF RESOURCE-EFFICIENT TECHNOLOGIES	PLANE OR TRAIN? CO ₂ -EMISSION INFORMATION, PRICE AND SOME OTHER FACTORS EXPLAINING TRAVEL MODE CHOICES BY GENERATION Y	THE ROLE OF ENERGY BEHAVIOURS IN PROMOTING RESIDENTIAL ENERGY SAVINGS: WHY DESIGNING MULTIDISCIPLINARY INTERVENTIONS IS IMPORTANT
Christina Yion Ping Ting	Cathérine Hartmann, Ester Reijnen, Maria Hoegger and Markus Hackenfort	Marta Lopes, Carlos Henggeler Antunes and Nelson Martins
ADOPTION AND USE OF LOW-CARBON TECHNOLOGIES: LESSONS FROM 100 FINNISH PILOTS AND DEMONSTRATIONS	ADDRESSING BEHAVIORAL BARRIERS TO FUEL ECONOMY: FUEL EFFICIENCY STANDARDS, LABELING, AND THEIR INTERPLAY	THE ROLE OF 'BEHAVIOUR' IN DETERMINING ELECTRICITY AND TOTAL ENERGY CONSUMPTION IN ENGLISH HOMES
Eva Heiskanen, Kaarina Hyvönen, Päivi Laitila, Kaisa Matschoss and Irmeli Mikkonen	Carl-Friedrich Elmer	Gesche Huebner and David Shipworth
NUDGING ONE-TIME PURCHASING DECISIONS TOWARDS MORE EFFICIENT PRODUCTS	NEW OPPORTUNITIES FOR THE IMPROVEMENT OF ELECTRIC CAR ADOPTION – INSIGHTS FROM A DISCRETE CHOICE EXPERIMENT WITH CAR BUYERS IN GERMANY	ENERGY ERGONOMICS AS A FRAMEWORK FOR THE ANALYSIS AND UNDERSTANDING OF SMART DEVICE DATA: KEY DEFINITIONS AND EXPERIMENTAL APPROACH IN DWELLING HEATING DEMAND
Guy Champniss and Anne Arquít Niederberger	Sebastian Bobeth and Ellen Matthies	Jonathan D. Chambers and David Shipworth
ACTIVE ENERGY USERS: EXPERIENCE TRANSFER FROM FORERUNNERS TO FOLLOWERS	WHEN DO YOU CHARGE YOUR ELECTRIC VEHICLE? A STATED ADAPTATION APPROACH	AFFECT AND ENERGY SAVING BEHAVIOURS
Maria Thomtén, Magdalena Boork, Simon Strandberg and Magnus Brolin	Joram H.M. Langbroek, Joel P. Franklin and Yusak O. Susilo	Luís Cruz, Eduardo Barata, Filipe Coelho, Maria Pereira and Paula Simões
PRACTICAL METHODS TO ACCELERATE ADOPTION AND USE OF LOW CARBON TECHNOLOGIES	THE SWEDISH FLEX-FUEL FAILURE	TOWARDS UNDERSTANDING HOW REDEFINING SUPPLY SIDE CONSTRAINS COULD SHAPE INDIVIDUAL DEMAND SIDE BEHAVIOUR
Jyrki Tenhunen, T. Viander, M. Nordström, P. Tainio, A-M. Rauhalala and U. Ala-Ketola	Linda Andersson, Kristina Ek, Åsa Kastensson and Linda Wårell	Julia Blanke, Christian Beder and Martin Klepal
EXPLORING INDIVIDUAL DECISION MAKING PROCESSES AND THE ROLE OF INFORMATION STRUCTURE IN PROMOTING UPTAKE OF ENERGY EFFICIENT TECHNOLOGIES	PROMOTING SUSTAINABLE MOBILITY STYLES USING ECO-FEEDBACK AND GAMIFICATION ELEMENTS: INTRODUCING THE GOECO! LIVING LAB EXPERIMENT	EVERYDAY HOUSEHOLD PRACTICES AND ELECTRICITY USE: EARLY FINDINGS FROM A MIXED-METHOD APPROACH TO ASSESS DEMAND FLEXIBILITY
Rebecca Hafner, David Elmes and Daniel Read	Francesca Cellina, Dominik Bucher, Roman Rudel, Martin Raubal and Andrea E. Rizzoli	Marina Topouzi, P. Grunewald, J. Gershuny and T. Harms

Thursday, 8th September

17:00 - 18:20 **Parallel Sessions**

Parallel Sessions C		
C1. Behaviour change interventions	C2. End-use energy efficiency in buildings and organisations	C3. Behaviour integration into energy modelling
Chair: Sho Hirayama	Chair: Michael Ornetzeder	Chair: Sarah Higginson
Room: Padre Monteiro da Rocha	Room: Pedro Nunes	Room: 2.4
HOW TO ENGAGE YOUR CONSUMER - DEVELOPING A TOOLKIT FOR THE ACTIVE ENGAGEMENT OF ENERGY END USERS	LET THERE BE DAYLIGHT? ASSESSING ACTUAL DAYLIGHTING PERFORMANCE OF A CLASSROOM IN USE	AN EXAMINATION OF THE SOCIAL ASSUMPTIONS TYPICALLY APPLIED IN BOTTOM-UP ENERGY DEMAND MODELLING
Philipp Reiß, Janina Schneiker, Erik Laes, Pieter Valkering, Magdalena Boork, Gregor Černe, Vera Nunes, Simone Maggiore, Koen Straver and Carolien Kraan	Nafsika Drosou, Victoria Haines, John Mardaljevic and Eleonora Brembilla	Sarah Higginson, Eoghan McKenna and Sarah Darby
JAPAN'S FIRST LARGE-SCALE HOME ENERGY REPORT PILOT STUDY: IMPACT ON JAPANESE CONSUMERS' AWARENESS, MOTIVATIONS, AND ELECTRICITY CONSUMPTION	AN EXPLORATORY SURVEY ON OPERATION CONDITIONS OF BUILDING MANAGEMENT AND CONTROL SYSTEMS IN SCHOOLS	RESIDENTIAL DEMAND MODELLING – TIME FOR FLEXIBILITY
Sho Hirayama, Hidetoshi Nakagami, Takahiro Tsurusaki and Ken Haig	Hermano Bernardo, Andreia Vieira, Adélio Gaspar and Carlos Henggeler Antunes	Phil Grunewald, José Luis Ramirez Mendiola and Kevin Lane
ACHIEVING ENERGY FLEXIBILITY BY STORING AND SHARING SOLAR-GENERATED ELECTRICITY AT HOUSEHOLD AND COMMUNITY LEVEL	A FIELD SURVEY OF THE PERCEIVED INDOOR ENVIRONMENTAL QUALITY IN A LARGE OFFICE BUILDING	SMART GRID AND DEMAND RESPONSE & BEHAVIOUR INTEGRATION INTO ENERGY MODELLING
Rajat Gupta and Adorkor Bruce-Konuah	Maria R. Gomes, Paulo M. Carvalho, Hermano Bernardo, Mário Mateus, Adélio Gaspar, Carlos H. Antunes and Manuel G. Silva	Selin Yilmaz and Steven K. Firth
DEVELOPING A SURVEY MEASURING 'ENERGY CONSCIOUS-NESS' AND ITS SPILL-OVER EFFECTS ON OTHER DOMAINS	WELLBEING IN A CLOSE TO ZERO OFFICE BUILDING: SYNERGIES OR TRADE-OFFS?	HOEFF-CIM – CAMPUS INFORMATION MODELING CONCEPTS AND TOOLS FOR A CLIMATE-NEUTRAL CAMPUS
Britt T. Stikvoort, Peter Juslin and Cajsa Bartusch	Michael Ornetzeder	Christina Dotzler, René Regel and Daniel Kierdorf

20:00 **Dinner at Quinta das Lágrimas**

Parallel Sessions C (cont.)		
C4. Smart grids and demand response	C5. Behaviour in transport and mobility	C6. Behavioural economics of energy efficiency
Chair: David Shipworth	Chair: Uta Schneider	Chair: Luis Mundaca
Room: Gomes Teixeira	Room: 5.1	Room: 3.1
OPPORTUNITIES AND CHALLENGES FOR MODELLING DEMAND SIDE RESPONSE FROM BUILDINGS: LESSONS FROM IEA EBC ANNEXES 66 AND 69	QUANTIFYING THE POTENTIAL OF ECO-DRIVING BASED ON REAL WORLD DRIVING DATA	ORGANISER: A NEW BEHAVIOURAL APPROACH FOR INFLUENCING ORGANISATIONS
David Shipworth, Tianzhen Hong and Richard de Dear	André Silva, Gonçalo Duarte and Patricia Baptista	Jeremy Vincent and Sally Wilson
BRINGING A SERVICE PERSPECTIVE TO CUSTOMER ENGAGEMENT WITH SMART GRIDS: CO-CREATING VALUE WITH SMART ENERGY SERVICES	COMPARING DRIVER SELF-EVALUATION WITH REAL WORLD DRIVING PERFORMANCE: AN ANALYSIS OF THE INFLUENCE OF DRIVER FEEDBACK	BEYOND ECONOMICS – UNDERSTANDING DECISION-MAKING OF GERMAN PRIVATE SMALL LANDLORDS IN TERMS OF ENERGY EFFICIENCY INVESTMENTS
Luisa Gonçalves and Lia Patrício	Catarina C. Rolim and Patricia C. Baptista	Steven März
COLLECTIVE PROSUMERISM, SMART GRIDS, AND DEMAND FLEXIBILITY	WHAT IF THE CAR WAS ELECTRIC? AN ANALYSIS OF MOBILITY RELATED "LEITBILDER" IN FAMILIES WITH CHILDREN	APPLYING BEHAVIOURAL ECONOMICS TO BOOST UPTAKE TO 'SMART' TIME OF USE TARIFFS WITHOUT USING OPT-OUT ENROLMENT. A PRE-ANALYSIS PLAN FOR A RANDOMISED CONTROL TRIAL
Rebecca Ford, Janet Stephenson and Malcolm McCulloch	Uta Schneider	Moira Nicolson, Gesche Huebner and David Shipworth
RESIDENTIAL CONSUMERS' ATTITUDES AND EXPECTATIONS TOWARD SCENARIOS OF FUTURE UTILITY CUSTOMER INTERACTIONS IN THE SWISS ELECTRICITY SECTOR - A FOCUS GROUP STUDY	NEIGHBOURHOOD EFFECTS: EXPLORING CONSUMER TAKE UP OF TOYOTA PRIUSES	MOBILITY CHOICES AND GREENHOUSE GAS EMISSIONS: WHICH INCENTIVES ARE EFFECTIVE?
Martin Soland, Stefan Loosli, Julia Koch and Oliver Christ	Alison Pridmore and Jillian Anable	Charles Raux

Friday, 9th September

09:00 - 10:30

Plenary Session

Chair: Irmeli Mikkonen

THE HUMAN DIMENSION OF A SUSTAINABLE ENERGY TRANSITION
Linda Steg, University of Groningen - Sponsored by Nature Energy

ENGAGING CONSUMERS IN A DECARBONIZED WORLD WITH THE RIGHT PRICING
Ana Quelhas, EDP - Energias de Portugal

Room: Auditorium 17 de Abril

10:30 - 11:00

Coffee-break

11:00 - 13:00

Parallel Sessions

Parallel Sessions D		
D1. Behaviour change interventions	D2. End-use energy efficiency in buildings and organisations	D3. Behaviour integration into energy modelling
Chair: Corinna Fischer Room: Padre Monteiro da Rocha	Chair: Sea Rotmann Room: Pedro Nunes	Chair: Emily C. Prestwood Room: 2.4
BREAKING HABITS: PSYCHOLOGICAL MECHANISMS OF INTERVENTIONS FOR ENERGY CONSERVATION BEHAVIOR Johannes Bettin and Johannes Buhl	OVERPOWERING CHANGE. HOW DSO'S CAN COPE WITH A RAPIDLY CHANGING ENERGY ENVIRONMENT Gerriette Mollink	MEASURING ENERGY END-USE EFFICIENCY AND BEHAVIOURAL CHANGE IN THE UK RESIDENTIAL SECTOR USING A BENCHMARKING METHOD Emily C. Prestwood, Thomas Weyman-Jones, Dennis Loveday and Stephen Ison
ASSESSING THE IMPACT OF INFORMATIONAL INTERVENTIONS ON HOUSEHOLD ENERGY CONSUMPTION BEHAVIOUR: AN ENERGY MONITORING PROJECT IN MULTI-STOREY BLOCKS IN WALSALL (UK) Jesus Garcia	ENERGY PERFORMANCE CONTRACTING – IS IT TIME TO CHECK THE SMALL PRINT? Pamela J. Fennell, Paul A. Ruysssevelt and Andrew Z.P. Smith	MODELLING HETEROGENITY OF HOUSEHOLD ENERGY CONSUMPTION AND ITS INFLUENCE ON DEVELOPMENT OF LOW-EMISSION ENERGY STRATEGY Marko Matosović and Željko Tomšić
BEHAVIOUR CHANGE INTERVENTION BASED ON INDOOR ENVIRONMENT IN RENOVATED DANISH APARTMENTS Rune Korsholm Andersen	NEW ESCO BUSINESS MODELS FROM PROJECT MOEEBIUS Ricardo Rato, Cláudia Mafra, Radimilo Savic, Bojan Bogdanović, Petr Štuka, Marek Sikora, Jiri Rojcek and Javier Royo	IMPACT OF BEHAVIOURAL PATTERNS ON THE ENERGY USE OF A RESIDENTIAL NEARLY-ZERO ENERGY BUILDING Verena M. Barthelmes, Valentina Fabi and Stefano P. Corgnati
AN EXPERIMENTAL RESEARCH DESIGN FOR EVALUATING ENERGY FEEDBACK Martin Pullinger, Nigel Goddard and Janette Webb	INNOVATIVE BUSINESS MODELS FOR EFFICIENT ELECTRICITY SUPPLY: THE EVOLVING ROLE OF MARKET OPERATORS Michele Gaspari and Arturo Lorenzoni	OCCUPANTS' BEHAVIOUR: AN OBSERVATION STUDY FOR ENERGY SAVING POTENTIAL ON LIGHTING Christel de Bakker, Myriam Aries, Helianthe Kort and Alex Rosemann
CONTEST VERSUS NORM: ASSESSING CONTEST - AND NORM-BASED INTERVENTION TECHNIQUES Magnus Bergquist, Andreas Nilsson and André Hansla	EFFECTIVE BUSINESS MODEL DESIGN AND ENTREPRENEURIAL SKILLS FOR ENERGY EFFICIENCY SERVICES Ruth M.Mourik, R. Bouwknegt, C. Castaldi and J.C.C.M. Huijben	IDENTIFYING REPRESENTATIVE TYPES OF RESIDENTIAL ELECTRICITY CONSUMERS – A CLUSTER ANALYSIS OF HOURLY SMART METER DATA Anna-Lena Klingler, Florian Schuhmacher and Katharina Wohlfarth
SAVING POWER WITH CLASS Immanuel Stief, Corinna Fischer and Michael Kunkis		SOCIO-ECONOMIC ANALYSIS OF ELECTRICITY CONSUMPTION PATTERNS AS BASIS FOR BEHAVIOUR CHANGE INTERVENTIONS AND THE MANAGEMENT OF SMART URBAN ISLES Vicente Carabias, Ursula Eschenauer, Tobias Kuehn, Evelyn Lobsiger-Kägi and Thoralf Mildemberger

13:00 - 14:30

Lunch

Parallel Sessions D (cont.)		
D4. Smart grids and demand response	D5. Energy policies	D6. Multidisciplinary approaches to energy behaviours
Chair: Charlie Wilson	Chair: Michelle Shipworth	Chair: Simon Elam
Room: Gomes Teixeira	Room: 5.1	Room: 3.1
MOTIVATIONS AND BARRIERS FOR INTEGRATING 'PROSUMING' SERVICES INTO DECENTRALIZED ELECTRICITY GRIDS	ENERGY POLICY NEEDS BIFOCALS	THE VULNERABLE CUSTOMERS AND ENERGY EFFICIENCY PROJECT
Yael Parag and Lucy Michaels	Michelle Shipworth, Adam Cooper and Cara Jenkinson	Simon Elam and David Shipworth
BARRIERS OF CONSUMER BEHAVIOR CHANGE TO DEMAND RESPONSE IN SMART GRID: CASE STUDY OF THAILAND	POLICY IN PRACTICE: CAN POLICY PROGRAMMES LEARN FROM PRACTICE THEORY?	THE VALUE-ADDING ROLE OF SOCIAL CAPITAL ON NET POSITIVE DESIGN AT THE REGENERATIVE NEIGHBORHOOD LEVEL
Jirapa Kamsamrong, Christoph Menke and M. Norbert Fisch	Sam Hampton	Lurian Pires Klein, C. Henggeler Antunes, M. Lopes and D. Hes
DO WE NEED TO KNOW MORE ABOUT SMART METERING? – HOW SCEPTICISM AND KNOWLEDGE INFLUENCE THE END-USERS' ATTITUDES TOWARD SMART METERING	ASSESSING THE INTANGIBLES: SOCIOECONOMIC BENEFITS OF IMPROVING ENERGY EFFICIENCY	COMPUTATIONAL INTELLIGENCE TECHNIQUE WITH BEHAVIOURAL PROPENSITIES FOR ENERGY PROFILE DEVELOPMENT – INEVITABLE
Rinaldo Fuss, Thomas Wyssenbach, Jonas Probst, Stefan Loosli, Meina Zeballos and Oliver Christ	Hanna Bartoszewicz-Burczy, Rupert J. Baumgartner, Tina Fawcett, Morgane M. C. Fritz, Gavin Killip, Tamara Valladolid, Christian Violi	Olawale Popoola
EMOTIONAL MONITORING AFTER FOCUS GROUP: WHAT ARE HOUSEHOLD CONSUMERS' CONCERNS TOWARD SCENARIOS OF FUTURE UTILITY CUSTOMER INTERACTIONS IN THE SWISS ELECTRICITY SECTOR?	ENVIRONMENTAL PSYCHOLOGY FOR ADMINISTRATIVE DECISION MAKERS: A TAILOR-MADE SUPPORT FOR CLIMATE PROTECTION AND ADAPTATION MEASURES	A RANDOM UTILITY MODEL FOR INTER-FUEL SUBSTITUTION IN EUROPE'S INDUSTRY INTEGRATION OF BEHAVIOR IN HIGH TEMPERATURE PROCESSES' FUEL DEMAND
Stefan Loosli and Oliver Christ	Gudrun Lettmayer, Anke Blöbaum, Ingrid Kaltenegger and Ellen Matthies	Matthias Rehfeldt and T. Fleiter
EXPLORING THE POTENTIAL IMPLICATIONS OF HAVING BOTH RETAIL AND DISTRIBUTION PRICE SIGNALS FOR DEMAND RESPONSE IN A DEREGULATED ELECTRICITY MARKET	INTERDEPENDENT SOCIAL, POLITICAL, AND TECHNOLOGICAL SYSTEMS: A NEW MODEL FOR SMART-GRIDS AND ENERGY TRANSFORMATIONS	IMPACT OF HUMAN OCCUPATION ON INDOOR RADON CONCENTRATION: A STUDY BASED ON IN-SITU MEASUREMENTS FOR A SET OF HOUSEHOLDS IN ALTO-MINHO, PORTUGAL
Isak Öhrlund	María Perez Lugo, Cecilio Ortiz Garcia and Eduardo A. Lugo Hernandez	António Curado and Sérgio I. Lopes
PERCEPTIONS OF SMART HOMES: A MARKET SURVEY		PSYCHOSOCIAL IMPACT OF ENERGY EFFICIENCY MEASURES IN STREET LIGHTING SYSTEMS
Charlie Wilson and Tom Hargreaves		Maria Rodrigues Meneses, Ana Reis Janeiro, Manuela Albuquerque and José Freitas Cardoso

Friday, 9th September

14:30 - 16:30 **Parallel Sessions**

Parallel Sessions E		
E1. Behaviour change interventions	E2. End-use energy efficiency in buildings and organisations	E3. Behaviour change interventions - EnR
Chair: Becky Mallaband	Chair: Immanuel Stieß	Chair: Gabriela Prata Dias
Room: Padre Monteiro da Rocha	Room: Pedro Nunes	Room: 2.4
SAVING ENERGY BY MANAGING ROOM TEMPERATURE AND AIR QUALITY – AN EXPERIMENTAL APPROACH	TEMPERATURE PROFILES, THERMAL COMFORT AND ENERGY ATTITUDES IN RETROFITTED SOCIAL HOUSING IN IRELAND	PROGRAMMES AND CAMPAIGNS TO INSPIRE AND INFORM CONSUMERS TO SUSTAINABLE CHOICES IN FINLAND
Paul Suski, Holger Berg, Jens Teubler, Marco Hasselkuß and Johannes Buhl	Richard Manton, Paul Moran, Henrike Rau and Jamie Goggins	Irmeli Mikkonen, Päivi Laitila, Leila Timonen and Sirpa Mustonen
IS IT MINE AND CAN I PLAY WITH IT? EXPLORING DATA OWNERSHIP & INTERACTIVITY IN THE DELIVERY OF ECO-FEEDBACK	OCCUPANTS' PERCEPTION OF INDOOR CONDITIONS IN GREEK CITIES	ENERGY CHALLENGE 2016: AN INITIATIVE TO RAISE AWARENESS FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY IN GENERAL PUBLIC IN SWITZERLAND
Kathryn Buchanan and Riccardo Russo	Panagiota Antoniadou and Agis M. Papadopoulos	Daniela Bomatter
EXPERIENCING DOMESTIC DEMAND-SIDE RESPONSE WITH HEAT PUMPS: 'IF IT WORKS, THEN I'M QUITE HAPPY WITH IT'	QUALITATIVE VALIDATION OF AN ENERGY CONSUMPTION BEHAVIOUR-RELATED SURVEY FOR CERTIFIED TYPICAL WALLOON URBAN HOUSES	CREATING ENVIRONMENTS FOR BEHAVIOURAL CHANGE INSPIRATION – EMOTION – MATERIALIZATION. THE CASE OF THE AUSTRIAN KLIMAAKTIV PROGRAMME
Michael J. Fell	Stéphane Monfils and J.M. Hauglustaine	Stephan Fickl
HOW DO HOUSEHOLDERS INTERACT WITH THEIR HEATING CONTROLS?	INTERACTIONS BETWEEN THERMAL MASS AND HEATING STRATEGY: A STUDY OF HIGH AND LOW THERMAL MASS DWELLINGS IN THE REPUBLIC OF IRELAND	KEYS OF SUCCESS FOR SUSTAINABLE DEVELOPMENT IN FINNISH MUNICIPALITIES
Ashley Morton, Victoria Haines and David Allinson	Aidan Reilly, R. Walsh and O. Kinnane	Päivi Laitila, Irmeli Mikkonen, Isa-Maria Bergman and Kirsi-Maaria Forssell
"DON'T TOUCH THAT BUTTON, WE DON'T KNOW WHAT WILL HAPPEN!": EXPERIENCES AND REFLECTIONS OF LIVING IN A RETROFITTED HOME	HEAT ENERGY CONSUMPTION BEHAVIOR IN ENERGY-EFFICIENT HOMES: THE POWER OF ENERGY PERFORMANCE RATINGS AS A BENCHMARK	"REFURBISHMENT HEROES" - A COMPETITION FOR PRIVATE HOUSE OWNERS ORGANISED BY THE DEUTSCHE ENERGIE-AGENTUR (DENA) – THE GERMAN ENERGY AGENCY
Philip Brown and Graeme Sherriff	Florian Heesen and Reinhard Madlener	Axel Scheelhaase and Kristina Zimmermann
DO INTELLIGENT HEATING CONTROLS OUT-SMART ORDINARY USERS?	RISING TEMPERATURES, THERMAL COMFORT AND THE USE OF AIR-CONDITIONING IN PRIVATE HOMES IN GERMANY	ENERGY LABELLING SYSTEM FOR LIGHT DUTY CORPORATE FLEETS
Becky Mallaband, Victoria Haines and Ashley Morton	Immanuel Stieß, Michael Kunkis and Tanja Kenkmann	João Paulo Calau, Ana Isabel Cardoso and João Barroso

16:30 - 17:00 **Coffee-break**

Parallel Sessions E (cont.)		
E4. Smart grids and demand response	E5. Energy policies	E6. Platforms for multidisciplinary approaches in the study of household energy practices
Chair: Sarah Darby	Chair: David Weatherall	Chair: Anne Beaulieu
Room: Gomes Teixeira	Room: 5.1	Room: 3.1
BALANCING THE SYSTEM COMFORTABLY? ELECTRIC STORAGE HEATING AND RESIDENTIAL DEMAND RESPONSE	QUALITATIVE ANALYSIS OF ENERGY PERFORMANCE CERTIFICATES ACROSS EU COUNTRIES UNDER THE LENSES OF BEHAVIOURAL INSIGHTS	ENERGYSENSE: A PLATFORM FOR MULTIDISCIPLINARY ENERGY RESEARCH ON ATTITUDES, USE AND BEHAVIOUR OF HOUSEHOLDS
Sarah J. Darby	Victoria Taranu and Griet Verbeeck	Anne Beaulieu and Salome Scholtens
USER BEHAVIOUR CONCLUSIONS FROM THE LINEAR RESIDENTIAL DEMAND RESPONSE PILOT	THE FUTURE IMPACT OF EU NEARLY-ZERO ENERGY BUILDING (NZEB) REGULATIONS ON HEATING SYSTEM MANUFACTURER BEHAVIOUR	USING THE CONCEPT OF ENERGY CULTURE AS A PLATFORM FOR MULTIDISCIPLINARY APPROACHES
K. Vanthournout, A. Srivastava, R.D'hulst, J. Stragier, P. Valkering, E. Laes, S. Claessens, W. Labeeuw, B. Dupont and W. Cardinaels	Scott T. Bryant, Lukas Bergmann and Steven Ashurst	Janet Stephenson
THE FUTURE CATALOGUE: DESIGN FICTIONS TO ENHANCE USER ENGAGEMENT IN SMART GRID TECHNOLOGY	ENERGY EFFICIENT INVESTMENT BEHAVIOUR OF HOMEOWNERS AND NEIGHBOURHOOD SATISFACTION	SUSLAB: AN INTERNATIONAL PLATFORM TO DEVELOP SUCCESSFUL SUSTAINABLE INNOVATIONS FOR HOMES
Lizette Reitsma, Elin Önnevall, Carin Torstensson, Cecilia Katzeff and Stina Wessman	Qi Han, Gamze Dane and Elien Bisseling	David Keyson
CHANGING BEHAVIOURS FOR DEMAND RESPONSE IN AN ECO-COMMUNITY	GOVERNANCE BARRIERS TO ENERGY UPGRADES IN APARTMENT BLOCKS: INSIGHTS FROM A STUDY OF ENGLAND AND SCOTLAND	WINDOWS OF OPPORTUNITY FOR SUSTAINABLE LIFESTYLE TRANSITIONS: CHANGING PATTERNS OF TIME-USE AND IMPLICATIONS FOR ENERGY-EFFICIENCY
Kristin Goldbach, A. Salup, A.D. Peacock, E.H. Owens and S. Góiz	David Weatherall, Frankie McCarthy and Susan Bright	Adina Dumitru Mira, Ricardo García Mira, Tony Craig, Diana Ivanova and Gibran Vita
NUDGING DEMAND RESPONSE	DETERMINANTS OF ENERGY SAVING AND CONSUMPTION BEHAVIOR OF TENANTS IN THE NETHERLANDS	THE BENEFITS OF A LONGITUDINAL UK ENERGY SURVEY TO RESEARCH AND POLICY
Jochem Garthoff and Thijs Turèl	Gamze Dane and Qi Han	Adam C.G. Cooper and David Shipworth
"GOOD CAUSES" CROWDFUNDING AS A DRIVER FOR BEHAVIOURAL CHANGE IN DEMAND RESPONSE SCENARIOS	FROM SMART GRIDS TO SMART COMMUNITIES: SOCIAL SCIENCES/ ENGINEERING CONVERGENCE TOWARDS THE ANALYSIS OF ENERGY TRANSFORMATIONS IN THE CARIBBEAN	
Gabriele Santinelli, Veronique Beillan, Ilaria Monteverdi, Isabelle Jalmain, Régis Decorme and Marie Tatibouet	Cecilio Ortiz Garcia and Christopher Lebron	

Friday, 9th September

17:00 - 18:20 **Parallel Sessions**

Parallel Sessions F

F1. Behaviour change interventions

Chair: Beth Karlin

Room: Padre Monteiro da Rocha

STRATEGIES AND TOOLS TO RAISE ENERGY AWARENESS COLLECTIVELY

Lara S. G. Piccolo and Harith Alani

ON THE MAGNITUDE AND PERSISTENCE OF THE HAWTHORNE EFFECT – EVIDENCE FROM FOUR FIELD STUDIES

Verena Tiefenbeck

HOW TO CREATE A 'MAGIC CARPET' FOR BEHAVIOUR CHANGE

Sea Rotmann

EMPOWERING ENERGY ACTION: A THEORETICAL MODEL AND IMPLICATIONS FOR PROGRAMMES

Beth Karlin, Jason Kaufman, Lea Lupkin and Rebecca Ford

F2. End-use energy efficiency in buildings and organisations

Chair: Olivia Guerra-Santin

Room: Pedro Nunes

ASYMMETRY IN GASOLINE DEMAND BEHAVIOUR: EVIDENCE FROM HOUSEHOLD DATA

Zia Wadud

2NDSKIN APPROACH TO ZERO ENERGY RENOVATION

Olivia Guerra-Santin, H. Bosch, P. Budde, T. Konstantinou, S. Boess, T. Klein and S. Silvester

PROMOTING ENERGY EFFICIENCY WITH LIGHTING RETROFITTING IN INDIA'S HEALTH SECTOR

Lakshman Ravi Teja Pedamallu, Vivek Kumar Singh and Álvaro Gomes

USING LIFE CYCLE THINKING TO SUPPORT ENERGY RETROFITTING DECISIONS

Rui Frazão, Paulo Martins, João Mariz Graça and Paulo Partidário

F3. Multidisciplinary approaches to energy behaviours

The presentations were moved to other sessions

Parallel Sessions F (cont.)		
F4. Smart grids and demand response	F5. Energy policies	F6. Behavioural economics of energy efficiency
Chair: Daphne Geelen	Chair: Tim. J. Chatterton	Chair: Luis Mundaca
Room: Gomes Teixeira	Room: 5.1	Room: 3.1
MYSMARTPI: AN OPEN-SOURCE SMART METERING PLATFORM FOCUSED ON THE CONSUMER	PUBLIC ACCEPTANCE OF HYDROGEN FUEL CELLS APPLICATIONS IN EUROPE: THE EFFECTS OF SOCIODEMOGRAPHIC, LIFESTYLE, SELF-IDENTITY, AND ATTITUDINAL VARIABLES	DRIVERS FOR DIRECT AND INDIRECT REBOUND EFFECTS - THE CASE OF ENERGY EFFICIENCY TECHNOLOGIES FOR HEATING AND MOBILITY IN AUSTRIA
Ioanna M. Chatzigeorgiou, A. Stefanidi and G.T. Andreou	Roser Sala, Elisabeth Duetschke, Monica Lores, Christian Oltra, Uta Schneider and Paul Upham	Sebastian Seebauer, Veronika Kulmer and Claudia Fruhmann
SMART PREPAYMENT METERS: HOUSEHOLDER EXPERIENCES	LINKING HOUSEHOLD ENERGY CONSUMPTION FROM DOMESTIC GAS AND ELECTRICITY WITH ENERGY CONSUMED BY PRIVATE MOTOR VEHICLES	SOME LIKE IT HOT: AN EXPERIMENT ON COMFORT EXPECTATIONS AND RETROFIT DECISIONS
Kate Simpson, K. Smith and K. Thomas	Tim. J. Chatterton, Jillian L. Anable, Sally Cairns and Jo Barnes	Veronica Galassi and Reinhard Madlener
IoT and BYOT: EMERGING TRENDS ENABLING BEHAVIOUR CHANGE 'AT SCALE'	THE ROLE OF LOCAL BODIES ON THE BUILDING ENERGY RENOVATION IN PORTUGAL	BOUNDEDLY RATIONAL CONSUMERS, ENERGY AND INVESTMENT LITERACY, AND THE DISPLAY OF INFORMATION ON HOUSEHOLD APPLIANCES
Brett Feldman and Kathleen Gaffney	Maria Isabel Abreu, R. Oliveira and J. Lopes	Julia E. Blasch, Massimo Filippini and Nilkanth Kumar
THE EFFECT OF DIRECT FEEDBACK APPS ON HOUSEHOLDS' ENERGY SAVINGS	ENERGY EFFICIENCY ADVICE DELIVERED THROUGH THE GB SMART METERING ROLL-OUT	RAPID DECARBONISATION OF CITIES BY ADDRESSING BEHAVIOURAL FAILURES? A CRITICAL REVIEW OF POLICY INTERVENTIONS
Daphne Geelen, Ruth Mugge, Sacha Silvester and Annemieke Bulters	Andrew Charlesworth, Michael Harrison and Mairi Budge	Jonas Sonnenschein

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