

# Program



Day 1 – Salón de Grados Facultad de Derecho.

9:00 - 9:30. Registration.

9:30 - 10:00. Opening. Director General de Universidades e Investigación, Juan Monzó Cabrera.

10:00 - 11:00. **Session 1: Case Studies.** Chair: Steven Firth.

On the possibilities of Controlled and Automatised teStIng FaciliTy for human behAviour and control (CASITA)	Ignacio Rodriguez-Rodriguez, Aurora González-Vidal, Alfonso P. Ramallo-González and <b>Miguel Angel Zamora</b>
Enhancing predictive models for short-term forecasting electricity consumption in smart buildings	<b>Manuel Herrera</b> , Daniel Fosas de Pando, Bruno M. Brentan, Sukumar Natarajan and David Coley
Designing with light. The user's experience	<b>Diego Victoria García</b>

11:00 - 11:30. Coffee break /Networking.

11:30 - 12:30. **Keynote Speaker 1: Wolfgang Feist, Monitoring Highly Efficient Buildings.**

12:30 - 13:30. **Session 2: Data infrastructure for buildings.** Chair: Pedro J Fernandez Ruíz.

ComVOA: Virtual organizations of agents to optimize energy consumption using comfort agreements	<b>Alfonso González Briones</b> , Pablo Chamoso, Javier Prieto, Fernando De La Prieta and Juan Manuel Corchado
Open source domotic system for reducing the energy demand of buildings	<b>Víctor Pérez Andreu</b> , Carola Aparicio Fernández and José Luis Vivancos Bono
A MAS based architecture to reuse waste energy from power plants in indoor peppers cultivation	Pablo Chamoso, <b>Alfonso González-Briones</b> , Sara Rodriguez, Hyun Yoe and Juan M. Corchado

13:30 - 14:30. Lunch [Cantina de la Merced].

14:30 - 15:30. **Session 3: Data Analytics.** Chair: Aurora González.

Weather files for remote places: leveraging satellite data	<b>Daniel Fosas de Pando</b> , Manuel Herrera, Sukumar Natarajan and David A Coley
Using Graphs to describe Building Data	<b>Steven K Firth</b>
Saving energy through predictive maintenance in steam traps	<b>Epifanio Belén Rivera</b> and Felix Cesáreo Gomez de Leon Hijes

15:30 - 16:00. **Keynotes session:**

Building Performance Analysis Book Release	Pieter de Wilde
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16:00 - 16:15. Coffee break / Networking.

16:15 – 17:15. **Keynote Speaker 2: Michael Wetter**

20:00. **Conference Reception.** [Real Casino de Murcia].

Day 2 - Salón de Grados Facultad de Derecho.

9:00 - 9:30. Registration /Opening.

9:30 - 10:30. **Session 4: Data as Result of Human Behaviour.** Chair: Ramón Sanchez.

Influence of occupants' behaviour on indoor air quality of a naturally ventilated multifamily building in Porto, Portugal	<b>Juan Francisco Belmonte Toledo</b> , Ricardo Barbosa and Manuela Almeida
An Appliance Impact Estimation on Power Quality Parameters in Micro Grid Environment	Vojtech Blazek, Michal Petruzela, Tomas Vantuch, <b>Aurora González</b> and Stanislav Mišák
Empirical study of massive set-point behavioural data: Towards a cloud-based artificial intelligence that democratizes thermostats	<b>Alfonso P. Ramallo- González</b> , Aurora Gonzalez and Antonio Skarmeta

10:30 – 11:30. **Keynote Speaker 3: David A Coley, Monitoring shelter solutions for the displaced.**

11:30 - 12:00. Coffee break / Networking.

12:00 – 13:30. **Session 5: Modelling of buildings.** Chair: Rafael Martinez Sanchez.

Monitoring Passive Houses	<b>Laura Dávila Ponce de León</b>
Modelling of Large Chiller in Energy Plus	<b>Joaquín Lagares</b>
Energetic analysis of a geodesic and self-sufficient housing	<b>Luigi Trezza</b> and Fernando Illan

Castellana 77 in 30 minutes	<b>Jugatx López Amurrio</b> and Alejandro Cobos de Ineria
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13:30 – 14:00 **Keynotes session:**

Open Science for Building Data Studies	Steven Firth
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14:00 - 15:00. Lunch [Cantina de la Merced].

15:00 - 16:00. **Industry forum at the Patio.**

