Workshop + Special Issue Call for Papers
Energy poverty, well-being and sustainability in an ecological transition

Hosted and organized by:

University Miguel Hernández, Elche (Spain)

November 19-20, 2025

Energy poverty remains a significant global challenge, with far-reaching impacts on human well-being, particularly in vulnerable populations. It is not just about access to affordable energy, but also the broader implications for **health**, **economic stability**, and **social inclusion**. Despite the growing recognition of this issue, there is still much to be understood about its **dynamics**, determinants, and long-term effects on individuals and households.

This workshop seeks to explore these complex dimensions of energy poverty, with a particular focus on how **AI (artificial intelligence)**, **ML (machine learning)** techniques, and **dynamic panel data techniques** can be used to analyze the human experiences of energy poverty and its consequences for well-being. By examining **microdata, using economic modeling techniques,** and utilizing innovative methodologies, we aim to gain a more accurate and context-specific understanding of how energy poverty impacts different populations and inform more effective policy design.

The workshop will bring together researchers, policymakers, and practitioners to discuss and share cutting-edge research on the functioning of energy markets and energy poverty dynamics. It will also provide a platform for discussing novel analytical tools, including AI and ML, to address gaps in the current literature.

📢 Special Publication Opportunity

A selection of high-quality papers presented at the workshop will be **considered for inclusion in a special issue of the prestigious journal *American Behavioral Scientist* (ABS)**. This offers an excellent opportunity for contributors to disseminate their research to a broader international audience.

Save the dates:

- **Call for Papers Open**: July 1
- **Submission Deadline**: September 20
- **Workshop Dates**: November 19-20, 2025
- **Special Issue**: Spring 2026

Submission Guidelines:

Abstracts and full papers (approx. 8,000 words) should be submitted in line with the **topics of interest**.

Papers must align with the theme of the workshop and will be reviewed for relevance, quality, and originality. Accepted papers will be presented at the workshop, and a selection of high-quality papers may be considered for publication in the **special issue** of **the ABS journal.**

Workshop + Special Issue Call for Papers   CIPROM/2024/34
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Topics of Interest: We invite contributions on a wide range of topics related to energy poverty, including:

- **Socio-economic determinants of energy poverty**: Analyzing factors such as income inequality, housing conditions, and education, with a focus on AI and ML applications.

- **The restructuring of electric power market and its impact on retail prices**: exploring the new relationships between consumers, own producers-consumers, and on-grid generators.

- **Health and well-being impacts of energy poverty**: Exploring how energy deprivation affects physical, mental, and social health outcomes, using dynamic panel data techniques to assess long-term effects.

- **Green**-mobility: Analyzing the impact of access to green transport and its impact on well-being.

- **Micro-level analysis of energy poverty**: Applying AI and ML to household-level data to explore the diverse experiences of energy poverty and its interaction with socio-economic contexts.

- **Identification of population clusters**: Using AI and ML techniques to identify distinct population clusters that face energy poverty, exploring differentiated risk factors and impacts based on household profiles.

- **Economic consequences of energy poverty**: Examining the financial burden of energy poverty on household budgets and broader economic implications, especially in low-income households.

- **Energy poverty and social exclusion**: Understanding the relationship between energy access and social exclusion, particularly in terms of reduced opportunities for education, employment, and healthcare.

- **Innovative policy interventions**: Discussing policies such as subsidies, energy efficiency programs, and carbon pricing mechanisms.

- **Technology's role in addressing energy poverty**: Investigating how renewable energy technologies, smart grids, and energy storage systems can help mitigate energy poverty, with an emphasis on AI and ML modeling to measure effectiveness.

- **Ethics and equity in energy poverty**: Exploring fairness in energy access, pricing, and resource distribution, and using AI models to examine the equity implications of policy decisions.

Scientific Commitee:

- Carlos Gutiérrez Hita, University Miguel Hernández, Elche, Spain.

- Leslie Bravo Chew, Nebrija University, Madrid, Spain.

- Santiago Budría, Nebrija University, Madrid, Spain.

- Manuel Alejandro Betancourt Odio, Universidad Pontificia Comillas

- Nikolaos Georgantzís, Burgundi school pf economics, Dijon, France

- Ana Meca Martínez, University Miguel Hernández, Elche, Spain.

- Vita Zhukova, Catholic University of Murcia, Murcia, Spain.

- Aitor Ciarreta Antuñano, University of the Basque Country, Bilbao, Spain.

Important Information:

- **Registration Fee**: 150 € (It includes workshop attendance and materials, meals, gala dinner and one night of accommodation with breakfast).

- **Submissions:** please send manuscripts to sbudria@nebrija.es, mabetancourt@icade.comillas.edu and cgutierrez@umh.es. Please indicate if you would like your paper to be considered for the Special Issue.

We look forward to your submissions and to engaging discussions on advancing research and policy solutions for energy poverty.