

# AIBMG 2<sup>nd</sup> workshop

## AI in Energy, Buildings and Micro-Grids

Leon, Spain

14-17 June 2023

<https://ifipaiai.org/2023/workshops/aibmg/>

### Call for Papers

The 2<sup>nd</sup> AIBMG workshop is organized during the **AIAI 2023** 19<sup>th</sup> International Conference on Artificial Intelligence Applications and Innovations

#### AIM & SCOPE

The AIBMG Workshop aims to bring together interdisciplinary approaches that focus on the application of AI-driven solutions for increasing and improving energy efficiency of residential and tertiary buildings without compromising the occupants' well-being. Either applied directly on the device, building or district management system; the proposed solutions should enable more energy efficient and sustainable operation of devices, buildings, districts and micro-grids. The workshop also welcomes cross-domain approaches that investigate how to support energy efficiency by exploiting decentralized, proactiveness, plug-n-play, etc. solutions.

#### PROGRAM CHAIRS

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#### TOPICS

- AI-based energy management applications at building and district level
- Smart digital building renovation solutions
- AI-based assessment in smart-grid systems
- Predictive modelling for energy consumption and indoor comfort
- Prescriptive modelling for building asset maintenance
- Non-Intrusive Load Monitoring (NILM)/ energy disaggregation
- Smart decentralized energy solutions
- Grey- and black-box data-driven user profiling
- Ontologies, ontology matching and alignment in the energy domain
- Anomalies detection and data filtering
- Visual analytics and recommendation systems

#### IMPORTANT DATES

The 2<sup>nd</sup> AIBMG workshop follows the AIAI 2023 official dates:

**March 10<sup>th</sup>, 2023**

Paper Submission Deadline

**March 26<sup>th</sup>, 2023**

Notification of Acceptance/Rejection

**April 17<sup>th</sup>, 2023**

Camera Ready Submission

**April 17<sup>th</sup>, 2023**

Early / Author registration

The accepted papers of all workshops will be published by the Springer IFIP AICT Series

 Springer

