EEAI workshop
Energy Efficiency and Artificial Intelligence

Aldemar Knossos Royal, Crete, Greece
25 - 27 June 2021
www.aiai2021.eu/eeai

Call for Papers

The 1st EEAI workshop is organized during the

AIAI 2021

17th International Conference on Artificial Intelligence Applications and Innovations

EANN 2021

22nd International Conference on Engineering Applications of Neural Networks

AIM & SCOPE

The EEAI 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 and of occupant behaviour. Either applied directly on the building management systems, or aiming towards affecting energy-related occupant behavior to stimulate behavioural change, proposed solutions should enable more energy efficient and sustainable operation of buildings and stimulate energy-efficient consumer behaviour. Of particular interest are human-centered AI approaches that increase trustworthiness with explainable AI models and their results for non-expert users. The workshop also welcomes cross-domain approaches that investigate how to support energy efficiency by addressing both direct and indirect energy-related behaviour.

PROGRAM CHAIRS

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TOPICS

- Activity Tracking
- Recommendation systems
- Human-centered and Explainable AI
- Energy (load, generation) forecasting
- Persuasion Techniques
- Energy related occupant behaviour modelling
- User modeling
- Behavior prediction and analysishumanistic context
- Behavioural change for energy efficiency
- Energy management and services for prosumer communities
- Data visualization and visual analytics techniques
- Gamification
- Non-intrusive Load Monitoring & Disaggregation
- Flexibility estimation
- Building Automation
- Control Optimization

IMPORTANT DATES

The EEAI workshop follows the AIAI2021 official dates:

Date	Event
March 12th, 2021	Paper Submission Deadline
April 16th, 2021	Notification of Acceptance/Rejection
April 30th, 2021	Camera Ready Submission/Registration
May 4th, 2021	Early / Author registration

The Accepted papers of All Workshops will be published in the IFIP AICT Proceedings Volume 2.