

# Workshop on Boosting Energy Efficiency Through Behavioral Change

Duration: 2 hours

The workshop titled *Boosting Energy Efficiency Through Behavioral Change* aims at increasing the awareness of energy efficiency research internationally by showcasing selected contributions in energy micro-moments, which is a novel concept coin by the (EM)<sup>3</sup> research team at Qatar University ([em3.qu.edu.qa](http://em3.qu.edu.qa)), in addition to machine learning tools of data classification, data visualization techniques, and recent trends in recommender systems in the context of energy efficiency.

The workshop covers a variety of topics including **Energy Efficiency and Internet of Things (IoT), Artificial Intelligence (AI) and Micro-Moment Classifiers, Data Analytics and Visualization, and Recommender Systems for Behavior Change**. Each of the topics present a number of novel ideas in its own field, describing the theory and underlying technical concepts, along with hands-on demonstration on real-life scenarios and datasets.

The workshop features speakers from one of Qatar's leading research teams led by Dr. Faycal Bensaali. The team is pursuing the cutting edge of domestic energy efficiency research with collaborators in research centers and universities in Europe and Africa. Interested audiences will witness unprecedented technical contributions in using cost-efficient IoT, employing high-performance AI tools for big energy data analysis and load monitoring, exploring innovative data visualizations, and creating explainable recommender systems for transforming energy-saving efficiency behavior.

We look forward to your attendance at this special workshop.

Sincerely,  
**Dr. Faycal Bensaali**  
Department of Electrical Engineering  
Qatar University