

### **Integration of Social Behavioral Modeling for Smart**

## **Environments To Improve Energy Efficiency of Smart Cities**



# Description

### Main Goals and Primary Tasks:

- Understand/model/predict social and behavioral aspects involved in human interaction with smart residential environments
- Design comprehensive framework for energy management considering psychological dimensions of user behavior

#### Methodology:

- Define social behavioral models
- Exploit machine learning to learn/refine models
- Perceived value-aware energy management
- **Psychological factors** of efficacy and user engagement.

Simone Silvestri - 2019 CPS PI Meeting, Alexandria, VA







## **Findings**

