

Ambienizer: Turning Digital Photos into Ambient Visualizations

Authors: Ji Hwan Park, Arie Kaufman, Klaus Mueller

Summary:

The Ambienizer is a visual encoding approach that seeks to convey a user's personal data in a casual non-technical way. In the Ambienizer, a user can choose any image and map any of the provided image processing techniques to the variables from personal data. In this work, we use the Ambienizer in the context of monitoring household energy use. We allow the user to compare the user's energy consumption with a social norm, a past consumption, or a targeted consumption.