

Verbrauchsfeedback-Design für Intelligente Armaturen

Motivation

Consumption feedback on energy and water use can trigger large savings and thus help to conserve resources and cut cost. The feedback, however, has to be designed in line with several concepts from psychology and behavioral economics to be effective and should be presented in an appealing way.

Task

The task is to develop and evaluate feedback interventions that can be implemented in a smart showerhead. Several designs should be proposed based on a literature and related work analysis, translated into a non-functional demonstrator, and evaluated empirically.

Expected results

Expected are at least three design proposals. The feedback concept shall be deduced from theory, and the proposals shall be empirically evaluated in a small user study.

Title English

- Consumption feedback design for smart faucets

Level: Bachelor or master thesis

Methodology

- Literature research, concept development, survey
- Some minor statistics

Special prerequisites

- None

Contact:

thorsten.staake@uni-bamberg.de