Workshop Motivation and Goals

Enabling technologies make it possible to create more and more complex systems in terms of functional core, new interaction techniques and context-of-use dynamics. The users require a better understanding and control of their applications. This workshop focuses on human-computer interaction and more specifically on the engineering of user interfaces to foster intelligibility and control. In a broader context this workshop aims to identify and classify the supportive UIs that may enhance the interaction (e.g., by rendering the workflow in e-government applications or making it possible to the end-user to see the available platforms in the surrounding and redistribute the UIs him/herself).

SUI Goals from the User’s Perspective [2]

- Customization and Personalization
- Appropriation
- End-user Empowerment
- Education
- Privacy and Auditability
- Comprehensive Behavior and Trust
- End-user Empowerment
- Education
- Privacy and Auditability
- Comprehensive Behavior and Trust
- Comprehensive Behavior and Trust

Agreed Definition of Supportive UIs

A supportive user interface (SUI) exchanges information about an interactive system with the user, and/or enables its modification, with the goal of improving the effectiveness and quality of the user’s interaction with that system.

Some Examples Presented

[Image of example interface]

Presented Papers

1. Building Supportive Multimodal User Interfaces - José Coelho, Carlos Duarte
2. Opening the Box - Meta-level Interfaces Needs and Solutions - Alan Dix
3. A Classification of Self-Explanatory User Interfaces - Maximilian Kern, Marco Blumendorf, Sahin Albayrak
4. Supportive User Interfaces in Adaptation - Víctor López-Jaquero, Francisco Montero
5. A Supportive User Interface for Customization of Graphical-to-Vocal Adaptation - Fabio Paternò, Christian Sisti
6. Design and Implementation of Meta User Interfaces for Interaction in Smart Environments - Dirk Roscher, Grzegorz Lehmann, Marco Blumendorf, Sahin Albayrak
7. The end-user vs. adaptive user interfaces - Veit Schwartz, Frank Trollmann, Sahin Albayrak
8. A classification for Supportive User Interfaces derived from Collaborative User Interfaces - Carsten Wirth, Sahin Albayrak

Research Agenda

- Elicit the dimensions of supportive UIs through a taxonomy that would cover both the abstraction and presentation of supportive UIs
- Discuss the properties supportive UIs should convey
- Explore how to integrate SUIs into development processes
- …

SUI Approaches

- Focused on the user [1, 2]
- Feature centric [6]
- Adaptation centric [4, 5, 7]

SUI Taxonomies

- Two classifications based on:
  - Collaborative UIs [6]
  - Self-Explanatory UIs [3]