



1st International Workshop on Supportive User Interfaces (SUI 2011)

3rd ACM SIGCHI Symposium on Engineering Interactive Computing Systems

Pisa, Italy - June 13, 2011 - <http://www.supportiveui.org/>
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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

SUI Approaches

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

SUI Taxonomies

- Two classifications based on:
- Collaborative UIs [8]
 - Self-Explanatory UIs [3]

Some Examples Presented

[5]

[6]

[1]

[3]

[2]

[2]

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.

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
- ...

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 Schwartze, Frank Trollmann, Sahin Albayrak
8. *A classification for Supportive User Interfaces derived from Collaborative User Interfaces* - Carsten Wirth, Sahin Albayrak