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Design and Framework of Service by Delegation (SbD) for Enhancing User Interface Usability in Small-handheld Devices

PhD Proposal (Under Progress)

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Statement of the Problem (UI Aspect)

Smart Interface (iHCI)

Graphical
User
Interface
(GUI)

Natural
User
Interface
(NUI)

Organic User Interface (OUI)

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Time

- Screen size
- Skill of user
- ...

- Accuracy
- <u>User</u> <u>partiality</u>
- Privacy
- ..

- Technology acceptance
- <u>Level of</u> <u>Interactivity</u>
- ..

Statement of the Problem (Device Aspect)

Smart Device

Mobile Handheld

Imput device

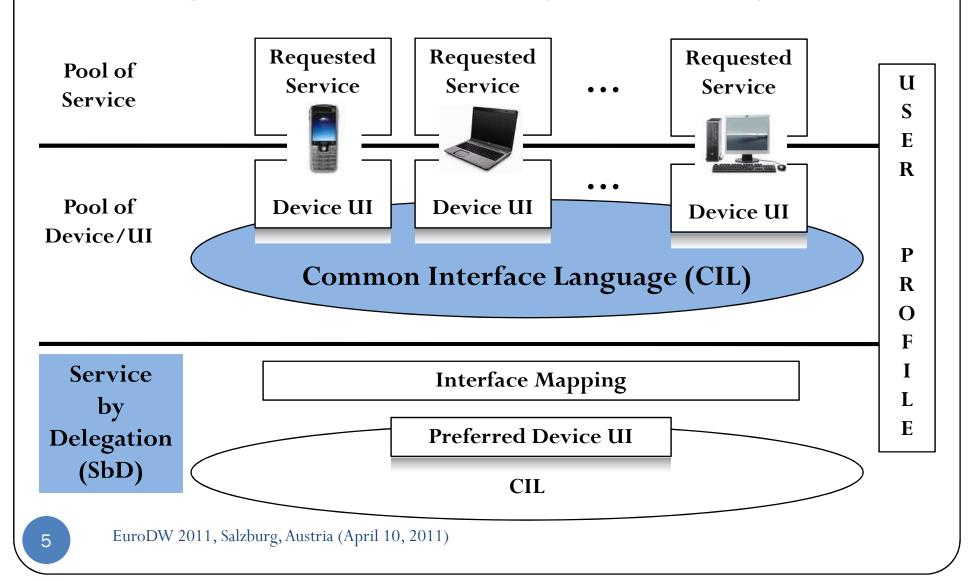
Smart phone

Input device

Importance of Solving the Problem

- Various types of UI approach
 - Each has its own pro and con side
 - Additional way of HCI but not the only one
- Small handheld devices are getting acceptance and widely used irrespective of
 - Limitations on HCI
 - Lack of multiprogramming
- It is a necessity to mediate the evolution of small handheld devices and user interface.

Proposed Solution (Direction)



Thank You

