OpenInterface workshop

Call for participation

Welcome to the OpenInterface workshop that is
organized by OpenInterface (OI) STREP project (FP6-035182) and will be held on Wednesday,
July 16, 2008, during the DSV-IS 2008 conference in Kingston, Ontario, Canada.

OI STREP project (www.oi-project.org) is a research project, financed by the European Union that
aims to design, implement and test an **open source software framework** for developing
multimodal interaction. As part of DSV-IS 2008, we organize a **dinner session** for playing and
testing our open source framework. We are very keen to receive your comments on the
framework.

OpenInterface framework?
Multimodal interaction is challenging to develop especially in mobile/ubiquitous settings with novel
interaction devices. Addressing this challenge, the OpenInterface framework is made of an
underlying platform, namely OpenInterface platform, and the OpenInterface Interaction
Development Environment (OIDE). The OpenInterface Interaction Development Environment
(OIDE) includes development tools for assembling, combining and testing modalities at multiple
levels of abstraction (from the raw data to the semantic of users' events). Using the OIDE
Graphical Editor, components accessible via the repository can be inspected, configured, linked to
other components and to external services or to application functionality. The result can be either
an individual technique or a fully functional user interface to a real application. The OIDE is built on
top of a runtime kernel that enables the communication between heterogeneous components.

If you would like to install and test the framework prior to the workshop:
https://forge.openinterface.org/

A dinner session for whom?
Aimed at multimodal application engineers, designers, and computer scientists working in human-
computer interaction or anyone who is interested in the domain and wants to discover, learn and
efficiently use the framework for designing, implementing and testing multimodal interaction. The
idea of the open-source OpenInterface framework targets efficient cooperation of users from both
industry and academia, so participants from both fields are welcome!

How to benefit most from the workshop?
We will show and explain how OpenInterface components can be integrated and reused. We will
present common case studies for everybody to illustrate the capabilities and functionalities of the
framework. However,

> (1) if you have interaction modalities you would like to study (for example: "I would like to
> test how to efficiently use head-tracking (webcam) and voice to enhance interaction for
> navigating in a map"), please contact us in order to add your modalities in the framework,
> (2) if you have a particular application you would like to study from the point of view of
> multimodal interaction, send us applications / case studies that you are currently working on
> or would like to develop, so that you can work on your own case studies instead of the
> common one we will propose. You will have a chance to play with the applications through
> the OpenInterface Interaction Development Environment (OIDE): modifying modalities,
> adding new modalities, combining modalities, fine tuning or monitoring modalities in a
> graphical and efficient way.

You can benefit from participating as a test user just as much as by being actively involved!

If you would like to provide interaction modalities and/or a case study (an application) to be manipulated and tested in the OI framework, please contact us before the workshop: oi-dsvis@imag.fr

Practical information:
- **Date / location:** Wednesday, July 16, 2008 18h-21h30 / main conference venue
- **What do participants need to bring:** a laptop
- **Preliminary Agenda:**
> 18:00 - 18:10 Introduction to the workshop and to the OpenInterface framework
> 18:10 – 18:40 Installation of the framework, component repository, getting started
> 18:40 – 20:00 Demonstration with applications from the OI project and from participants
> 20:00 - 21:30 Walking dinner while continuing to play with the framework.

Inscription:
To participate: Free! All participants are welcome! We simply need to know how many participants will attend the workshop, so please send us an email oi-dsvis@imag.fr with your name and affiliation before **Monday, June 23, 2008**.