

Technologies to Reduce the Access Barrier in Human Computer Interaction (TrabHCI)



Facoltà di Ingegneria
University Roma Tre, Rome, Italy
May the 5th – May the 18th, 2013

“TrabHCI- Technologies to Reduce the Access Barrier in Human Computer Interaction” is an Erasmus Intensive Programme (IP) granted by the Finish National Agency and composed by students and academics from:

- University Roma TRE (Italy),
- University of Zaragoza (Spain),
- Lahti University of Applied Sciences (Finland),
- University of Applied Sciences Dresden (Germany),
- Polytechnic University of Valencia (Spain).

TrabHCI focuses on the emerging technologies and methods for improving the accessibility and usability of computers by non-expert users. The project puts especial emphasis on new technologies for disable people, who are not usually considered in the design of human computer interfaces.

Students will be immersed into the study and development of new technologies for people with disabilities.

The course is composed of the following topics:

1. Natural User Interfaces: Speech, Handwritten and Gesture interfaces
2. Natural language understanding
3. Kinect interaction and programming

and lectures will be in **English language**.

Students will attend lectures and work with the technologies to build next generation of human computer interaction systems. Projects will be developed by grouping students in international teams.

The outcome will be a first project draft and the projects oral presentation. The students achieve ECTS-credits and grades. **Ask to your local coordinator for the awarded credits in your University.**



Main objectives of ERASMUS-IP TrabHCI are:

1. propose a multidisciplinary course on emerging technologies to introduce the human experience for next generation of human computer interaction that is not offered in any of the participating universities;
2. introduce students to advanced technologies and work on them in an international team with an emphasis on multidisciplinary project work;
3. understand the problem of accessibility and usability as the needs of users: shift from the narrow view of who constitutes "the user" to a broad view is the first step towards improving the accessibility of human-computer interaction for all users;
4. experiment new forms of interaction student-teacher, virtual and augmented environments.

Amazing social events will be organised!

TrabHCI 2013 will take place at the University Roma Tre, Italy from May the 5th to May the 18th. A selected number of students, coming from each University, will participate to TrabHCI 2013.

Do you want to participate to the selection?

Send you curriculum vitae and a motivation letter to:

Valencia: Maria Jose Castro mcastro@dsic.upv.es

Zaragoza: Eduardo Lleida lleida@unizar.es

Lahti: Elisa Hassinen Elisa.Hassinen@lamk.fi

Dresden: Boris Hollas hollas@informatik.htw-dresden.de

Rome: Ivan Bernabucci ... ivan.bernabucci@uniroma3.it

Info

www.trabhci.eu

www.facebook.com/groups/157431777648799

Word of mouth

"Un'esperienza formativa, non solo dal punto di vista didattico, ma anche da quello umano; un modo per imparare a relazionarsi con persone diverse da noi. Da provare!"

(Sofia, TrabHCI 2011)

"Un'esperienza che amplia i propri orizzonti sia nello studio che nella vita. Merita di essere fatta."

(Filippo, TrabHCI 2011)

