

**Invitation to submit to the
“Intelligent Environment Test” competition**

The 7th Int. Conference on Intelligent Environments (IE'11)

Nottingham, UK

25-28th of July, 2011

This year we are offering a challenge to encourage advances in the realization of Intelligent Environments. There will be prizes within the Demo/video track to reward important achievements. The most important prize will be the one that measures how close an IE becomes to an equivalent human assistant: *“How Intelligent is your Intelligent Environment?”*.

Who can participate? Anyone who is developing IEs is invited.

What is the prize? A diploma for sure but we are also trying to offer a substantial stimulus in cash. The final amount depending on how much sponsoring we can attract.

How the demos will be assessed? Submissions for the challenge will be assessed by a panel conformed of at least five leading researchers in the area and most likely part of the organizing committee of the IE'xx conference series. This panel will determine two things: (a) whether a submission has passed the “IE test” (for this unanimous consensus is needed) and (b) the order of merit of these submissions (for this majority voting is used).

What our team should do if we want to participate? Send a submission to the video/demos track (see specific call in the IE conference website) providing as much supplementary evidence as possible (copies of official documents, scientific papers published previously and other relevant information to convince the jury) on the following:

- intelligence features of the environment, as experienced by the final users (for example, is proactive, it is subtle in deciding when and how to interact with the user, it takes into account preference versus needs, it knows about the user current cognitive and emotional state, deals with multi-users, provides multi-users mediation, respects ethics and privacy, etc.
- techniques/methods used (with references to relevant publications)
- validation process of the environments (What number of people tried the IE? What percentage of them stated the system was provided services that were considered signs of intelligence? What evidence of that is offered?)

When the results will be communicated? The panel will aim to decide during the event, only in extraordinary circumstances the decision may be referred.

How the results will be communicated? Only winners will be announced. Those submissions to the challenge which do not get a prize will receive private feedback on the assessment. Any references to the event will be generic and names of participating teams will never be revealed except for those who won a prize.

Readers can find the following related document interesting:

(AugustoBCFMRQS09) The Darmstadt Challenge (the Turing Test Revisited). J.C. Augusto, M. Bohlen, D. Cook, F. Flentge, G. Marreiros, Carlos Ramos, Weijun Qin, and Yue Suo. Proceedings of the International Conference on Agents and Artificial Intelligence (ICAART), pp. 291-296, Porto, Portugal, 19th-21st of January, 2009. <http://www.infj.ulst.ac.uk/~jcaug/icaart2009b.pdf>