

Call for Papers

Thematic Issue on :

Human Skills training in Industrial Design and Manufacturing

Topics

Training/learning techniques both at cognitive and sensorimotor level; methodology of skill analysis and capturing; cognitive agents; technologies to capture and render skills; advanced multimodal interfaces (visual, haptic, auditory, scent,... devices); human computer interaction; cross-modal interactions; teleassistance and telerobotic interfaces; intelligent tutoring systems; technology assessment procedures , application and uses in interactive design, manufacturing and maintenance.

Proposal

Nowadays the industry has to face with high efficiency and low cost manufacturing in a globalised world. These requirements lead to the necessity of having a well-trained staff. Thus, the research on new tools to transfer human skills from experts to novices, whatever distance there is between the experts and novices or even if the experts are not available during the tutoring session represents a state-of-the-art issue.

One of the most challenging issues about the research on training of human skills deals with the acquisition, interpretation, digital storing and transfer by means of multimodal interfaces, robotics, telerobotics, Virtual Environments (VE) technologies and Interaction Design methodologies.

This issue will present and discuss recent theoretical and technological developments on transfer human skills in the industrial designing, manufacturing and maintenance field. Papers are welcome in all topics related to the skills transfer process (from the capturing of the skills to their rendering and assessment).

Online Submission

Manuscripts should conform to the standard format of the International Journal on Interactive Design and Manufacturing as indicated in the official web sites. Electronic submissions must be in Word or Pdf format and should be prepared according to the journal guidelines. The submissions should be performed through the journal automatic system: <https://www.editorialmanager.com/ijdm/>. A copy of all submitted articles are sent by email to the guest editor (see contact information above).

Important Dates

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| Manuscript submission | 15 th | September 2009 |
| Notification of Acceptance | 1 st | December 2009 |
| Final Decision | 28 th | February 2010 |

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