

## PARTICIPANT FORM for the SUMMER SCHOOL

### Constructivism and Enaction

### A new paradigm for Cognitive Science

FIRSTNAME : Edwin

NAME : HUTCHINS



#### I. - SITUATION

Status :  University teacher     Research scientist     Thesis student     Post-doc     Other :

University/ Laboratory : University of California San Diego, Department of Cognitive Science, Distributed Cognition and HCI Laboratory

Website labo/perso : <http://hci.ucsd.edu/hutchins>

Special information(s) (article, scientific responsibility, participation to research projects, other...) :

Professor of Cognitive Science, co-director of the UCSD DCOG-HCI laboratory, head of the project on the Digital Ethnographer's Workbench (DEW).

#### III. - RESEARCH THEME

My research focuses on the nature of cognitive activity in real-world settings. For the past 12 years I have conducted research on the cognitive consequences of automation in civil air transports under a series of grants from the NASA Ames Research Center. I have helped to establish the subfield of cognitive science known as distributed cognition. In recent years I have become increasingly interested in embodied cognition and enactment. I am especially interested in the ways that actors accomplish cognitive processes by using their bodies in interaction with their social and material surroundings. My current research project is an investigation of the roles of language and culture in flight deck operations in the global aviation system with special focus on non-US airlines.

### **III. – VIDEOS AND EXPERIMENTAL MATERIAL**

*Moments of relaxation might be the occasion to share and show original scientific video documents (not too long) or experimental material (which could be used by all the participants). A video party and an experimental demonstration session have been planned. Could you indicate video or experimental material you would like to present.*

**Videos :** « A ship navigator has an Aha ! insight. »

**Experimental demonstration :**