

## PARTICIPANT FORM for the SUMMER SCHOOL

### Constructivism and Enaction

### A new paradigm for Cognitive Science

**FIRSTNAME** : Olivier

**NAME** : Gapenne



### **I. – SITUATION**

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

**University/ Laboratory** : UTC- Costech – Groupe Suppléance Perceptive

**Website labo/perso** : [www.utc.fr/gsp/OGapenne.html](http://www.utc.fr/gsp/OGapenne.html)

**Special information(s) (article, scientific responsibility, participation to research projects, other...)** : member of the european Network of Excellence Enactive Interfaces, president of the french Association for Research in Cognition (ARCo)

### **III. – RESEARCH THEME**

*Please indicate briefly (10 lines max) your themes of research, and 4 or 5 key words*

Constructivist and enactivist approach of cognition

Human/Technology interaction (or relation or coupling)

Perceptual genesis and technological enrichment

Coupling of kinaesthetic and exteroceptive sensorial flow

Modelling of action-exploration strategies

Haptic (non visual) interface for learning to read graphical digital objects

### **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** : Peep Hole Project about the design of a PDA which the using appears really enactive.

Working Video showing haptic exploration of form by a young blind teenager.

**Experimental demonstration** : Haptic device (Tactos) allowing the perception of digital 2D objects (several experiments can be done)