

**PARTICIPANT FORM for the SUMMER SCHOOL**  
**Constructivism and Enaction**  
**A new paradigm for Cognitive Science**

**FIRSTNAME** : Tom

**NAME** : Froese



**I. – SITUATION**

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

**University/ Laboratory** : Centre for Computational Neuroscience and Robotics (CCNR), University of Sussex, UK

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

**III. – RESEARCH THEME**

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

I am interested in the role of communication with regard to the question as to how the enactive paradigm can avoid being restricted to low-level sensorimotor accounts of cognitive behavior. I believe that epistemologically sound research into the origins of communication (with the help of artificial life models using an evolutionary, dynamical systems approach) presents us with one strong example of how the field can move on to the study of complex social phenomena such as language. Indeed, if we accept the claim that the conscious observer arises through 'linguaging', then this kind of research could provide us with a scientifically grounded path towards a deeper understanding of the relationship between mind and matter.

**Keywords:** communication, epistemology, language, consciousness, observer

### **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 :**

**Experimental demonstration :**