

Title:	Visit of Rob Clowes to the SCAI Lab, Skövde
Membership number(s)	4, 174
Member name(s)	Rob Clowes
Member institute/company name(s)	University of Skövde, University of Sussex
Goals of the action	<p>The first goal of this action was to enable a two-months visit of Rob Clowes http://www.cogs.susx.ac.uk/users/robertc/, Centre for Research in Cognitive Science, University of Sussex, to the SCAI Lab, University of Skövde, Sweden. The focus of the visit will be to establish collaboration on work on the internalization of language in cognitive robotics.</p> <p>Clowes has during his DPhil studies developed a method to model the way that communicative linguistic function can be appropriated by an agent to structure its own activities. Parts of the work in the ICEA Cognitive Systems IP (coordinated by Ziemke), as well as other work in the SCAI Lab (e.g. on cognitive function of tools), are very relevant to Clowes' research, and vice versa, so the goal of the visit is to establish collaboration and lay the foundation for future, more formal cooperation, e.g. in FP7 Cognitive Systems projects.</p>
Principal activity to which it contributes <ul style="list-style-type: none"> o Community Outreach o Scientific Outlook o Education & Training 	Community Outreach (Clowes is not already part of an EU Cognitive Systems consortium)
Concrete outcomes of the action (at least one of which should be material suitable for publication on the euCognition website)	<p>The action/visit resulted in:</p> <p>Useful international experience for Clowes, who has now completed his DPhil studies in Cognitive Science and is a part time Teaching Fellow and Visiting Research Fellow at the University of Sussex.</p> <p>It all established connections between the SCAI Lab, Skövde, and Clowes at the University of Sussex and with the other institutions listed in below. Collaborations initiated at Skövde resulted in the application for a FP7-ICT-2007-3, 08/04/2008 involving 4 European institutions working toward a state of the art project on language internalisation. The institutions involved in the producing the research proposal were:</p> <ul style="list-style-type: none"> • Intelligent Systems Research Centre, University of Ulster; • Centre for Computational, Neuroscience and Robotics/Centre for Research in Cognitive Science, University of Sussex; • SCAI Lab, School of Humanities & Informatics, Hoegskolan i Skoevde • Istituto di Scienze e Tecnologie della Cognizione, Consiglio Nazionale delle Ricerche, Roma <p>Although the proposal was ultimately unsuccessful in</p>

securing the required funds in the 2008 round it nevertheless received a positive reception and therefore there is a strong likelihood a strengthened proposal will be submitted in revised and deepened form for the 2009 round.

The network action resulted in 2 state-of-the-art-survey/position papers on the theoretical basis for modeling of language internalisation published in journals and:

Clowes, R. W. (2007). "Semiotic symbols and the missing theory of thinking." *Interaction Studies* **8**(1): 105-124.

Clowes, R. W. (2007). "A Self-Regulation Model of Inner Speech and its Role in the Organisation of Human Conscious Experience." *Journal of Consciousness Studies* **14**(7): 59-71.

One conference paper:

Clowes, R. W., Herrera, C., McGinnity, M., & Ziemke, T. (2007). *How words become cognitive*. Paper presented at the Language and Robots, Aveiro, Portugal.

And one conference poster:

Herrera, C., Clowes, R. W., McGinnity, M., & Ziemke, T. (2007). *Robots that inhabit the human world*. Paper presented at the Language and Robots, Aveiro, Portugal.

The conference paper has been added to the EUCognition website.