

# [ANNOUNCE][JOB] Postdoc in action-oriented perception, Edinburgh

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Postdoctoral research position at the School of Informatics,  
University of Edinburgh

Applications are invited for a post-doctoral researcher to work within the School of Informatics on an EU funded project: Spatial-temporal Patterns for Action-oriented perception in Roving robots (SPARK). The main scientific objective of the SPARK project is to formulate a new methodology for artificial cognitive systems, based on a spatial-temporal pattern formation process. This will be implemented on novel computational hardware, and used by a robot to integrate information from different senses to produce appropriate actions.

The researcher will be based in the Institute of Perception, Action and Behaviour and the Institute for Adaptive and Neural Computation, under the supervision of Dr. Barbara Webb and Prof. David Willshaw. The primary objective will be to derive, from the current neurobiological literature, suitable models of biological perception for action, within the framework of dynamic, self-organising phenomenon. A particular focus will be the problem of sensor fusion. Later stages of the project will contribute to the design and implementation of the robotic test-bed for evaluating these models.

Applicants for the post should have a PhD in an area related to computational modelling of neuroscience, a good knowledge of sensory processing in biological systems, some familiarity with mathematics of self-organising systems, and ideally some experience with hardware, e.g. parallel computing devices and/or robots.

The post is on the AR1A scale (£19,460 – £29,128 per annum). The post is available immediately and will run till September 2007.

For more information, including details of how to apply, please contact:

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sci.cognitive: [ANNOUNCE][JOB] Postdoc in action-oriented perception, Edinburgh

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\*\*\*\*\* comp.robotics.research (moderated) \*\*\*\*\*

Summary: Academic, government & industry research in robotics.

Archives and information: <http://www.metamech.com/crr>

Charter: <http://www.metamech.com/crr/Charter>

Meta-discussions/information: [crr-request@metamech.com](mailto:crr-request@metamech.com)