

The **Excellence Cluster *Cognitive Interaction Technology*** at Bielefeld University combines the efforts of researchers from computer science, linguistics, biology, psychology and physics to elevate the command of technical systems to the level of cognitive interaction with humans. This entails cross-disciplinary research in the areas of motion intelligence, attention, situated communication, memory and learning. For more details, see www.cit-ec.uni-bielefeld.de.

EMERGENTIST SEMANTICS

In the **Research Group *Emergentist Semantics***, we are inviting applications for a **doctoral position**.

The group *Emergentist Semantics* supports research in robotics to develop ways of reducing the complexity of learning mechanisms and providing technology to different groups of naïve users. A tight collaboration within the CITEC between our group, the Applied Informatics, the Sociable Agents as well as the Ambient Intelligence group is established.

The position of the doctoral researcher (grant) starting from October or November 2009 is offered for the duration of 3 years. Candidates are expected to explore the child-machine interaction, since children are special not only in their cognitive but also their interactional capacities. The goal of this project will be to contribute to the idea of a multimodal toy that supports children's learning in a social interaction.

We are looking for applicants with an excellent degree in Computer Science (PhD) and a research background in Machine Learning, Human-Computer Interaction, or Social Robotics. Knowledge in Language Acquisition, Cognitive Linguistics, Developmental, Social or Cognitive Psychology is highly welcome. Practical programming skills are expected, good knowledge of both written and spoken English is required.

Please submit your application including a motivation letter, CV and certificates of academic qualifications before **September 20th** to:

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More details about *Emergentist Semantics*:
<http://www.cit-ec.de/emergentistsemantics/index.html>