

Talk Announcement

10.00 a.m. of Saturday 24th February 2007
[Aula Y2, Corpo Y, Facoltà di Ingegneria](#)
[Università del Salento](#)
[via Monteroni](#)
[73100 Lecce, Italy](#)

"Artificial Intelligence - What does it really mean?"



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Abstract:

Artificial Intelligence is about designing and constructing artefacts, normally not about explaining human intelligence. So, why should we care about natural intelligence when talking about AI? There are several important more or less recent findings in brain science as well as ethology which require a deeper rethinking on the AI side. Based on them, the hypothesis in this talk is: The rising complexity of the behaviour system and of personalized social relationships was one of the major reasons for developing intelligence -- contrary to the huge resource consumption that intelligence costs an individual. The most important result of this development was the capability of forecasting the behaviour of conspecifics for survival in a complex social environment. This capability was also useful for other purposes, including forecasting behaviour of individuals of other species and nature itself.

A second focus in the talk will be language and the hypothesized reasons or causes for its evolution and its primary usages. This will lead to the concept of imitation and its neural basis. Some plausible speculations will be given, why all these findings fit into a relatively consistent picture of natural intelligence. The conclusion will be some examples on how these findings can inspire AI research and the construction of AI systems.

For any further information, please contact the organizer:

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