Projects

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Projects

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2010-2013

SAPERE: Self-aware Pervasive Service Ecosystems

The objective of SAPERE is the development of a highly-innovative theoretical and practical framework for the decentralized deployment and execution of self-aware and adaptive services for future and emerging pervasive network scenarios. The framework will be grounded on a foundational re-thinking of current service models and of associated infrastructures and algorithms. In particular, getting inspiration from natural ecosystems, the project will demonstrate and experiment the possibility of modelling and deploying services as autonomous individuals in an ecosystem of other services, data sources, and pervasive devices, and of enforcing self-awareness and autonomic behaviours as inherent properties of the ecosystem, rather than as peculiar characteristics of its individuals only.

2007-2008

MEnSA

MEnSA is a research project financed by the Italian Ministry for Education, University, and Research (Ministero dell'Università e della Ricerca), and the project acronym stands for "Methodologies for the Engineering of complex Software systems: Agent-based approach".

The main objective is the creation of agent-oriented software engineering methodologies that support the development of complex software systems. The methodologies will assist the whole development process, from the requirements analysis to the actual implementation of the systems, using a metamodel-based approach. The expected result is a contribute in filling the existing gap between agent-oriented methodologies and multi-agent systems. MEnSA is a joint project among Alma Mater Studiorum - Università di Bologna, Università degli Studi di Modena e Reggio Emilia, and Università degli Studi di Trento.