



CREATING A SELF-LEARNING ROBOT ECOLOGY

WHAT

RUBICON will develop a self-learning robotic ecology made up of robotic devices, wireless sensors, and effectors embedded in everyday environments.

WHY

A self-learning ecosystem that can adapt to changes in user needs or in the environment with minimum human supervision will lead to cheaper, smarter and more useful robotic solutions.

HOW

Each component in the RUBICON ecology will help one another to learn to achieve their goals more efficiently, and also contribute to a shared understanding of the environment and the user needs and actions. By reasoning over the data acquired from mobile robots and distributed sensors, the ecology learns about user activities and preferences, and acquires the capability to predict and automatically adapt to changes.

WHO

RUBICON brings together robotics, agent software, computational intelligence and wireless sensor experts from European companies and universities. Their expertise and experience are combined to invent and develop innovative approaches to solving robotics problems.

INFO

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For further information, please contact the project team at info@fp7rubicon.eu, or visit www.fp7rubicon.eu

