



## Robotic Assistant for MCI Patients at home

Research and development of a novel domestic service robot:

- Capable to provide *proactive* and *discreet* assistance
- In a series of significant aspects of the user's daily life
- Focus on the needs of people with Mild Cognitive Impairment (MCI) and evolving dementia
- To support independent living and quality of life



### The RAMCIP vision of future service robots

ASSIST IN...	Food preparation	Eating activities	Dressing activities	Safe, Proactive and Discrete Assistance	
	Socialization	Lower-body treatment activities	Taking medication		
	Managing the home and keeping it safe	Maintaining positive affect	Exercising cognitive and physical skills		
HOW TO ASSIST	High-level cognitive functions				
	Home Environment and Human Activity Modelling and Monitoring	Human Robot Communication			Safe Manipulations Object Grasping/ Manipulation/Handover High object Reaching pHRI
		Multimodal	-Touch screen		
Adaptive		-Speech			
	Empathic	-Gestures	-AR		



*RAMCIP aims to research and develop real robotic solutions for assistive robotics for the elderly and those suffering from Mild Cognitive Impairments and dementia. This is a key step to developing a wide range of assistive technologies. We will adopt existing technologies from the robotics community; fuse those with user-centred design activities and practical validation, with the aim to create a step-change in robotics for assisted living.*

### Project facts

Consortium: 8 partners from 6 countries  
 Start: January 2015  
 Duration: 3 years

Programme: PHC-19-2014  
 Contract Nr: 643433  
 Budget: € 3,98 M.

[www.ramcip-project.eu](http://www.ramcip-project.eu)

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PERCRO Perceptual Robotics Laboratory

