**Project Title:**
Robotic Assistant for MCI Patients at home

**RAMCIP**

Grant Agreement No: 643433
Research and Innovation Action (RIA)

**Deliverable**

**D9.6. Periodic Dissemination Report – v2**

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**Lead beneficiary**
CERTH

**Dissemination level**
PU – Public

**Nature of Deliverable**
Report

**Delivery date**
31 December 2016

**Status**
F: final

**File Name:**
RAMCIP_Deliverable_9.6.pdf

**Project start date, duration**
01 January 2015, 36 Months

This project has received funding from the European Union’s Horizon 2020 Research and innovation programme under Grant Agreement n°643433
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Executive Summary

The primary purpose of this deliverable is to present the dissemination activities of the RAMCIP project within the second 12 months of the project duration (January 2016 - December 2016).

Being the second of the “Periodic Dissemination Report” deliverable series (D9.1, D9.6 and D9.7), this report presents also the overall dissemination strategy of the RAMCIP project. Then, it describes the efforts that were put from the project during its second year period, toward establishing dissemination and communication activities in line with the defined dissemination strategy and plan.

With respect to the project’s dissemination strategy, after the initial, essential step of the identification of the project’s dissemination opportunities and target groups, the project’s means of the dissemination were defined in the first version of this deliverable’s series (D9.1), as well as a detailed implementation plan for the project’s dissemination activities that are being kept as reference throughout its duration. The definition of all the above was strongly aligned to the project’s overall dissemination aims as defined in the RAMCIP Description of Action (DoA).

Focusing on the core part of the present deliverable, dedicated to the reporting of the project’s dissemination activities for this period, it should be first of all pointed out that the strong web presence of the project has been maintained through continuous updates of the project website and the use of social media. In addition, the second EU-wide press release of the project was circulated by the end of the second year, announcing the project progress i.r.t the RAMCIP V1 robot development and establishment of the preliminary tests. Moreover, the second and third issues of the project newsletter were circulated in line with the project’s dissemination plan. Further to those activities, project partners participated during the reporting period in a series of events to present RAMCIP and established liaison with several projects, initiatives and associations related to the RAMCIP project. In addition, the project established a series of publications in scientific conferences and journals during the reporting period, leading to a total amount of seventeen scientific publications achieved in the first two project years.

All the above are reported in detail in Section 3 of the present deliverable. Then, Section 4 of the deliverable provides a summary of the project’s dissemination activities for the reporting period, evaluating the respective achievements to the KPIs set in the project’s dissemination strategy. Summarizing the outcomes of this evaluative summary, it should be noted that RAMCIP has successfully fulfilled the aims that had been set for the reporting period, whereas future project deliverables of the “Periodic Dissemination Report” series will reflect the project progress toward the KPIs of each reporting period.
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1. Introduction

1.1 Purpose and scope of the Deliverable

This report describes the work carried out in WP9 – “Dissemination and Exploitation” and specifically in the tasks related to the project’s dissemination activities during the second year of the project. As such, its purpose is to report the actions that have been taken by the RAMCIP consortium during the second project year in the scope of the implementation of the RAMCIP dissemination strategy.

The current document is the second of the “Periodic Dissemination Report” series of RAMCIP deliverables, focusing on the dissemination activities of the second project year. The subsequent version of the deliverable (which is to be delivered at M36) will include the reporting of dissemination efforts from M24 to M36 of the project.

As defined in the deliverable D9.1, the overall project’s dissemination strategy remains open to modifications throughout the project’s duration, so as to be revised in case that adjustment during the course of the project (or/and to new opportunities) is deemed necessary. Nevertheless, no such need for revision was necessary in the second project year.

1.2 Approach and Relation to Tasks and other Deliverables

The current deliverable is mainly related to Tasks 9.1 (Dissemination material and publication policy) and 9.2 (Project website). It is the second of the “Periodic Dissemination Report” deliverable series (D9.6, M24; D9.7, M36), within which the project efforts in the scope of dissemination activities are reported throughout the project’s duration.

1.3 Structure of the Document

The present deliverable begins (Section 2) with an overview of the project’s Dissemination Strategy, which has been defined during the first months of the project’s duration, on the basis of the project’s Dissemination goals as set in the DoA and through collaboration with all project partners involved in the corresponding WP9 activities.

Section 3 provides an in-depth reporting of the dissemination activities that have been performed during the reporting period (M13-M24).

Finally, Section 4 provides an evaluative summary of the RAMCIP dissemination activities for the reporting period. It uses a number of metrics that assess the efficiency of the effort spent by the consortium as well as the consistency of the implemented activities with regard to the detailed dissemination plan of the project.

The deliverable concludes with a brief summary of the report findings and shapes conclusions resulting from the evaluation of the dissemination activities undertaken so far and their effectiveness towards achieving the targets set in the Dissemination Strategy of the project.

In the end of the present document, three Annexes can be found, providing a detailed overview of (a) Scientific journals and conferences relevant to the RAMCIP project, which can be targeted for disseminating the corresponding project results (Annex I), (b) Related projects, initiatives and associations that have been defined as potential liaison targets for the project in the scope of its dissemination strategy (Annex II), as well as (c) Related events that can be targeted for RAMCIP participation in the next project periods.
2. The RAMCIP Dissemination Strategy

The overall project’s dissemination objectives presented in the RAMCIP DoA (Annex I) focus on raising awareness of key stakeholders and promote European and universal status in the scientific and application areas addressed by the project. Key objectives are to raise awareness of the projects’ concepts, technologies, and applications among the target end users, the related healthcare sector and the service robotics community.

In order to achieve the desired results in both collaboration and publicity, RAMCIP must execute a series of actions to ensure that all of the above will be performed effectively and in such manner that the project’s reputation and work effort is enhanced.

These objectives are considered valid and reasonable, as can be judged early on by actions already performed, keeping in mind that the main final applicable result of the project; i.e. the final version of the integrated RAMCIP robot is anticipated within the third project year.

Apart from setting these valid objectives and tasks, the following have been identified:

- Dissemination methods, i.e., which media, events, and products will be used in order for the objectives to be met
- Mechanisms and rules to safeguard both the external perception of the project and partners’ work and effort

The RAMCIP dissemination plan consists of a number of steps, which are being defined at this early stage and will be maintained and refined throughout the duration of the project:

1. Identification of opportunities and target groups for dissemination activities
2. Definition of methods and media to be exploited for these activities
3. Establishment of rules that will assure the quality and legal-ethical conformity of the activities
4. Production of the material to be used for these activities
5. Management of activities
6. Monitoring of trends, activities organized or performed by external groups, and progress of project work
7. Adaptation to the “evolving environment” by exploiting new opportunities and, if appropriate, refining the objectives
8. Evaluation of the progress of dissemination activities

In the following paragraphs, we provide a short description of the above steps and the rules and guidelines that drive them. However, all of these are subject to continuous revisions and refinements. The appropriate project teams will handle many classes of activities or opportunities on a case-by-case basis.

2.1 Identification of opportunities and target groups

The RAMCIP dissemination objectives implicitly refer to a wide range of activities. In order for these to be more easily achievable, a concrete mapping of specific opportunities and tasks has been made.
Due to the multitude of end-users as well as stakeholders and beneficiaries that approach cognitive impairments and service robots from different perspectives (physicians, patients, researchers, robotic companies, healthcare organizations, etc.), different means and methods have been employed to reach each different group.

The following list contains the initial areas sought for obtaining contacts and opportunities for collaboration and target groups for dissemination:

- RAMCIP consortium members participating in relevant projects
- Other relevant projects
- RAMCIP consortium members participating in relevant task forces
- Other relevant task forces
- Standardization committees
- User communities

The key dissemination target groups of RAMCIP involve the primary target end users of the RAMCIP robot (i.e. elderly people, with MCI and early AD), their relatives and caregivers, associations related to them, scientific and academic communities related to the RAMCIP research fields, as well as the robotics industry and professionals in the field of service robotics. These key target groups are described in detail in the following section (Section 2.2).

To further enhance the effectiveness of the RAMCIP dissemination actions, further target groups have been identified, including but not limited to:

- Political institutions, i.e., EU Office of Public Health, EU Social Insurance Office; and the European Economic and Social Committee.
- Members of EU commission, in order to increase the recognition of the solutions developed in RAMCIP.
- Nongovernmental organizations (NGOs), i.e., health care maintenance organisations, Red-Cross.
- National and international scientists from related fields.
- Participants in the RAMCIP trials, their friends and relatives.
- Researchers and scientists involved in RAMCIP (e.g., through internal meetings, workshops, etc.).
- Schools and other educational institutions (e.g., by giving groups the possibility to visit and learn about RAMCIP)
- General public. This will ensure that specific relevant aspects of the research progress made within RAMCIP will reach the respective target groups.

RAMCIP partners participating in other projects offer an excellent opportunity to establish quick links among parties through the common participants. We expect to use the following methods:

- Joint organization of events, either public (e.g., workshops) or internal (e.g., training), to minimize cost and maximize benefit
- Brainstorming meetings to help address common challenges
- Exchange of technology and knowledge

We believe that RAMCIP must reach a mature technological stage prior to collaboration with external projects. However, this does not prevent RAMCIP from monitoring relevant projects’ publicly announced work progress, identifying opportunities for collaboration, and, if appropriate, initiating collaboration at early stages.
2.2 Key Target Groups

The dissemination plan sets out specific, relevant target groups covering the full range of potential users in the relevant health ecosystem and robotics research communities. Each dissemination activity should be tailored to the specific group and the message that shall be conveyed.

Focusing on communicating with potential end users and related stakeholders of the envisaged RAMCIP solution, five main categories of dissemination targets have been identified for the project, as outlined in Figure 1 below and described in detail in what follows.

![Figure 1: Outline of the RAMCIP core dissemination target groups](image)

2.2.1 Primary target end users of the RAMCIP robot

The first target audience of RAMCIP are the expected beneficiaries, i.e. **older people, specifically MCI and AD patients**.

This group should be convinced by solid arguments and demonstrations where possible, over the benefits that the RAMCIP service robot can provide in their daily life and its contribution towards enhancing their overall quality of life.

Project dissemination and communication actions toward this group should focus on preparing the grounds for increased user acceptance of the envisaged robotic assistant solution. In this scope, special attention should be put on highlighting the safety aspects of the RAMCIP robot.

Moreover, during the communication activities toward this target group, attention should be paid on underlining the fact that the RAMCIP robot comes as a supplement to human caregivers and not as a replacement, since as has been highlighted by the user surveys of WP2, potential primary end users of the RAMCIP robot (i.e. MCI and AD patients) would be reluctant to have human caregiving tasks totally replaced by a service robot.

2.2.2 Relatives and caregivers

The second, highly important target audience are the **relatives and caregivers** of the first target group. This target audience can be split in **three major subgroups:**

- **Family members** and **relatives** of MCI and AD patients, such as spouses or children of MCI/AD patients, as well as siblings etc.
This target group is considered as the main responsible group that can boost the adoption of the foreseen RAMCIP robot in the daily life of MCI/AD patients, as these persons shall have a majorly influential opinion, or in some, far from rare, cases, the final decision over whether the RAMCIP robot shall be used to assist their MCI/AD relative in her/his daily life. Moreover, they may have the role of catering for the costs related to the robot, partly or in full.

In this scope, the members of this target group should be convinced with solid arguments over the capability of the RAMCIP robot to provide effective assistance in the daily life of the patient, as well as the acceptability of the overall robotic assistance and its functions from the side of these users, while the way that user safety is assured during HRI is also of major importance.

In parallel, they should be convinced of the cost-effectiveness of the robotic assistant, as the cost to apply it in the daily life of their relatives should justify the added value that it will introduce in the overall quality of life of the patient.

A further major factor that can play a decisive role in their opinion about the RAMCIP robot, is the support that the proposed solution can provide to their caregiving tasks. The proposed robotic assistant can be viewed as a supplement to human caregivers, aiming to undertake a part of their caregiving burden. This is of particular importance for MCI/AD patient relatives that offer frequent (if not continuous) assistance to MCI/AD patients at their home.

- **Medical Doctors** dealing with MCI and AD patients, especially those from the fields of neurology, geriatrics, psychiatry, as well as neuropsychologists.

  This target group comprises health professionals who have daily contact with MCI/AD patients, whereas in most cases their opinion is well respected from the patients and their relatives. As such, they can clearly play a key role in the potential of the RAMCIP robotic assistant’s future adoption, once they are convinced of the added value that the RAMCIP robot can bring into the lives of MCI/AD patients. On top of this, communicating the aims of the RAMCIP project and the objectives of the envisaged solution to this target group (which is an active effort since the beginning of the project), is considered highly essential for providing us with valuable feedback over the overall project vision.

- **Nurses** and **professional caregivers** of MCI and AD patients, providing care services to such patients either at day-care centres, at hospitals or at home.

  Similar specificities to the above group (medical doctors) apply in general to this target group (nurses and professional caregivers) as well. Nevertheless, a mixture of specificities encompassed by the family members group (especially those who undertake daily caregiving tasks on their own), exist as well. More specifically, this target group comes in daily contact with MCI/AD patients; as such, on the one hand they are very well-aware of the needs of MCI and AD patients in their daily life, as well as their behavioural characteristics and their possible attitude towards a service robot for daily life, in terms of domestic assistance provision. On the other hand, they often establish a strong bond with the patients they look after, which can lead to potentially influencing them, as well as their family members’ decisions.

  Therefore, having within the RAMCIP communication strategy, a clear focus also on this group is highly beneficial for boosting the potential of the envisaged solution for future adoption. Similarly to the MCI/AD patients target group, it is highly important to underline within the communications to such healthcare professionals, the fact that the proposed service robot comes to complement them in their caregiving tasks and not to replace them, as fear for the latter can lead to a largely negative predisposition towards the envisaged solution.
Given their well-established networks of target end users and healthcare professionals, ACE and LUM partners are the primarily responsible ones to perform dissemination activities targeted to the corresponding groups described above.

### 2.2.3 Associations related to the target community

The third target audience includes the **associations related to the target community** (including the opinion leaders and the decision makers). Such associations indicatively include in the case of RAMCIP, national and European-level Alzheimer groups (e.g. Alzheimer Europe¹), carers associations (e.g. Eurocarers²), the EU confederation of care home organizations³ and others.

As in the case of all the above target groups, these associations must be persuaded with solid arguments demonstrating the validity and the overall socio-economic benefits of the solutions developed by the RAMCIP project. This is highly crucial for boosting our proposed service robot’s potential for future adoption, as such associations can play a key role in further disseminating the project outcomes and the envisaged root’s capabilities and potential to improve the MCI patients’ (as well as relatives) quality of life, through their well-established communication networks and channels.

An overview of the RAMCIP dissemination targets that fall in this category, along with the definition of the foreseen liaison scope and the project partner(s) responsible for establishing it, can be found in Annex II of the deliverable.

### 2.2.4 Scientific and academic communities

The **scientific and academic communities** related to research areas of relevance to the RAMCIP project are also among the main target groups for the project’s dissemination and communication activities.

This target group corresponds to research and academic organisations, scientific journals, Committees, Internet Fora, and other working groups in research fields related to the RAMCIP work. It also includes the related research projects that are active throughout the duration of RAMCIP project – mostly European projects, but also other national and international projects. A list of current research projects related to RAMCIP, as well as the project’s plan for establishing liaison with those can be found in Annex II of this deliverable.

The multidisciplinary nature of RAMCIP will allow reaching distinct scientific communities. In addition to the core research fields of RAMCIP related to a series of service robotics technologies such as computer vision for house environment and human activity monitoring, robotic manipulations and safety, significant contributions are expected in fields such as human behaviour modelling, robot cognition and human robot communication. This requires a co-ordinated strategy, being able to increase the synergies between each of these areas whilst balancing the implementation of the core RAMCIP concepts with the additional research work on each of the involved scientific areas.

### 2.2.5 Robotics industry and professionals

The **robotics industry and professionals** sector are considered of particular importance in the project’s dissemination and communication activities, especially in the currently blooming field of service robotics. In this scope, the SME RAMCIP partners, i.e. SHADOW and ACCREA play a leading role in disseminating the

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³ [http://www.echo-eu.com](http://www.echo-eu.com)
project objectives and outcomes through their well-established respective networks and communication channels.

2.2.6 General public

This target group encompasses the public in general, including dissemination activities focused on the public awareness of the RAMCIP project and on the thematic of service robots for assisted living applications. It will be reached by traditional means such as press releases, references to the project in broad-scope media (newspapers, magazines, documentaries), the project website and social media channels.

2.3 Means of Dissemination

The presented dissemination opportunities illustrate the need for various types of methods that assist in meeting the objectives of these activities. These can be grouped into methods that:

- Facilitate collaboration among involved parties, i.e., bidirectional flow of knowledge and technology
- Promote the publicity of the project and its results in a unidirectional, informative manner
- Provide targeted or generic information to RAMCIP-dependent communities
- Allow the provision of feedback and suggestions/requirements raised by scientific and user communities

The various methods and media that will be exploited for the purposes of RAMCIP’s dissemination activities can be considered to fall primarily within the following areas:

- Publications
- Events
- E-media (online presence and project documentation)

Publications refer to both electronic and printed media. They include:

- Press releases and short articles published on the Internet or in journals and magazines
- Project Newsletters
- Academic-level papers published in peer-reviewed scientific journals and conferences
- Project Public Deliverables

For academic and research organizations, publications can be also considered as a form of exploitation of RAMCIP’s results, while press releases and newsletters directly support the exploitation of RAMCIP by making its products publicly known.

Events refer to both collaboration and dissemination and include participation in or organization of:

- Presentations and feedback sessions at major forums or trade shows
- Training events
- Participation in external events, including conferences, networking sessions and specialized meetings
These events may be organized by the RAMCIP project itself, other projects, the European Commission, or other organizations.

**E-media** includes the overall project’s online presence, the RAMCIP project website and the services/project documentation content that is made available therein, including:

- Content published on the site (project facts, news etc.)
- Presence in popular Social media such as Twitter and LinkedIn
- Really Simple Syndication (RSS) feeds publishing RAMCIP news and information on the websites of interested parties
- Contact forms that allow the provision of feedback and the submission of requests to the appropriate RAMCIP contacts
- Additional project documentation/dissemination material, such as leaflets, posters, videos and reference presentations

The key elements of the RAMCIP Dissemination and Communication strategy described above are summarized in the Table below, along with the respective target KPIs and main target groups involved in each case, as have been defined in the project’s DoA [1].

<table>
<thead>
<tr>
<th>COMMUNICATION &amp; DISSEMINATION SUPPORTS AND CHANNELS</th>
<th>KPIs</th>
<th>MAIN TARGET STAKEHOLDERS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Assisive Robotics Sector</td>
</tr>
<tr>
<td><strong>Project documentation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leaflet</td>
<td>1 initial version + update</td>
<td>X</td>
</tr>
<tr>
<td>Poster</td>
<td>1 initial version + update</td>
<td>O</td>
</tr>
<tr>
<td>Reference PPT presentation</td>
<td>1 initial version + update</td>
<td>X</td>
</tr>
<tr>
<td><strong>Project publications</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Press releases</td>
<td>At least 1 per year</td>
<td>X</td>
</tr>
<tr>
<td>Project newsletter</td>
<td>6 (semestrial issue)</td>
<td>X</td>
</tr>
<tr>
<td>Articles and proceedings</td>
<td>3 publications per year (in average)</td>
<td>O</td>
</tr>
<tr>
<td>Project deliverables</td>
<td>See list of deliverables</td>
<td>X</td>
</tr>
<tr>
<td>Project video / slideshow</td>
<td>1 initial version + update</td>
<td>X</td>
</tr>
<tr>
<td><strong>Online presence</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project website</td>
<td>1 website, monthly updated</td>
<td>X</td>
</tr>
<tr>
<td>Related websites</td>
<td>10+</td>
<td>Depending on specific website</td>
</tr>
<tr>
<td>LinkedIn</td>
<td>At least 1 monthly update</td>
<td>X</td>
</tr>
<tr>
<td>Twitter</td>
<td>At least 1 weekly update</td>
<td>X</td>
</tr>
<tr>
<td><strong>Events</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Presentation &amp; feedback sessions</td>
<td>3</td>
<td>X</td>
</tr>
<tr>
<td>Training sessions</td>
<td>3</td>
<td>O</td>
</tr>
<tr>
<td>External events</td>
<td>30+</td>
<td>Depending on specific event</td>
</tr>
</tbody>
</table>

December 2016

16

CERTH
The way that the above methods and media have been planned to be implemented throughout the project’s duration, as well as the specific actions that have been taken from the RAMCIP project in this respect during the reporting period are described in detail in the following Sections 2.4 and 3 respectively.

### 2.4 Implementation plan for Dissemination activities

The present section describes the implementation plan for the RAMCIP dissemination activities. In order to provide an introductory overview, Figure 2 below presents the main action lines of the RAMCIP dissemination activities, identifying major classes, as a basic step for further integration of the dissemination activities:

- **Backbone dissemination actions** correspond to the publication of core papers presenting the project as a whole, project presentations at major events, liaisons with related projects, initiatives and associations, presentation and feedback sessions, as well as demonstrations and training sessions with target end users and stakeholders.
- **Specialized actions**, such as publication of specialized papers by individual or small clusters of partners (on a task or WP level).
- **Geographically restricted actions**, such as contacts with national associations, regulators and policy makers, contacts with national industry, actions for local media, etc.
- **Development and administration of dissemination material** in support of the relevant actions, including the website, the presence on social media, the newsletter, general promotional and informational material, etc.

**Figure 2 Overview of the RAMCIP Dissemination Activities structure**

The management framework for the RAMCIP dissemination activities should ensure that these blocks of activities are properly addressed, so as to maximize the project’s dissemination impact. It is also important to ensure that the respective activities produce an overall coherent and comprehensive set of results for the RAMCIP project.

It should be noted at this point that some of the dissemination activities are to be carried out directly by WP9 core partners (in the context of Tasks T9.1 and T9.2),
while others are supposed to have a strong coordination support from T9.1. In this scope, the dissemination management structure focuses on steering, monitoring and delegating the actual execution of each dissemination action to the most suitable partners (according to their profiles, location and expertise). The management framework should also enhance synergies between the different activities. For instance, presentation materials (PowerPoint presentations, figures, photos) will be shared and reused among the consortium (corresponding collaboration means are provided through the project’s private SVN repository), while safeguarding the authorship of each partner. This shall improve the overall quality, effectiveness and coherence of the produced materials. In what follows, the dissemination strategy, objectives and monitoring indicators for the RAMCIP dissemination activities are described.

2.4.1 Dissemination Strategy, Objectives and Monitoring Indicators

Table 1 below presents the implementation plan for the dissemination strategy of the project, detailed per type of dissemination activity.

<table>
<thead>
<tr>
<th>Web Portal and Presence on Social Media</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M1-M6:</strong> Design and Development of the web site Establishment of presence on Social Media</td>
</tr>
<tr>
<td><strong>M6-M36:</strong> Regular update of the website content Regular actions on social media</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scientific Publications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M1-M12:</strong> At least 3 scientific papers, including:</td>
</tr>
<tr>
<td>- 1 paper about the core of the project</td>
</tr>
<tr>
<td><strong>M13-M24:</strong> At least 3 scientific papers, including:</td>
</tr>
<tr>
<td>- papers related to each of the technical WPs (WP2-WP6)</td>
</tr>
<tr>
<td><strong>M25-M36:</strong> At least 3 scientific papers, including:</td>
</tr>
<tr>
<td>- 1 paper about the core of the project and pilot results</td>
</tr>
<tr>
<td>- papers related to the technical WPs (WP3-WP6)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liaison with related projects and initiatives</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M1-M12:</strong> Develop contact plan for related projects, Initiatives and Associations:</td>
</tr>
<tr>
<td>- Associations related to the project’s main target groups (e.g. Alzheimer Europe)</td>
</tr>
<tr>
<td>- Related projects and initiatives</td>
</tr>
<tr>
<td>Establish first contacts/liaison with related projects, initiatives and associations</td>
</tr>
<tr>
<td><strong>M13-M24:</strong> Establish contacts with Catalan Neurological Society, Spanish Neurological Society, European Alzheimer’s Disease Consortium, Alzheimer Catalunya</td>
</tr>
<tr>
<td>Establish first contacts with 3 European projects</td>
</tr>
<tr>
<td>Maintain contacts with previously contacted entities</td>
</tr>
<tr>
<td><strong>M25-M36:</strong> Establish first contacts with 2 additional European projects</td>
</tr>
<tr>
<td>Maintain contacts with previously contacted entities</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thematic events, training, presentation and feedback sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M1-M12:</strong> Participation in at least 3 thematic events</td>
</tr>
</tbody>
</table>
Table 1: Draft Strategy per Type of Activity

The table below presents a calendar–based overview of actions and events related to the project’s dissemination activities planning. Concerning the “project dissemination material” category, the chart demonstrates the timing of the development/circulation of initial versions of the related material, as well as the indicative timing of subsequent versions, in line with the overall project’s implementation and evaluation plan. With respect to the “events” category, the table below presents the indicative timing of organization of the foreseen dissemination events, related to e.g. the training sessions that will be held with potential end-users of the RAMCIP robot, as well as opportunities for the organization of the project’s foreseen presentation and feedback sessions at key international events (e.g. EURobotics Forum, ICT event, CeBit, Automatica, etc.).
Table 2: Indicative timeline overview of RAMCIP dissemination activities plan (highlighted cells indicate the planned timing for accomplishments in each category; key target project events included, further details are provided in Annex II and Annex III)
2.4.2 Partner roles and responsibilities

All partners will be actively engaged in the dissemination activities. The dissemination actions are a crucial parameter for the successful implementation of the RAMCIP project, thus a detailed and well defined dissemination plan has been established in the context of T9.1 “Dissemination material and publication policy”. To this end, a few practical guidelines, useful for the RAMCIP dissemination plan are presented:

- CERTH as the main dissemination task (T9.1) leader will steer, monitor and evaluate dissemination activities. In the work of T9.1, all relevant partners shall assist CERTH and will be responsible for defining and updating the lists of candidate events/publication opportunities/liaison opportunities as these have been described above.

- Activities related with the main dissemination plan of RAMCIP (papers, presentations and contacts with external entities) shall be supervised by CERTH (T9.1 leader) and SHADOW (WP9 leader), to ensure coherence and consistency. Nevertheless, CERTH and SHADOW may examine these tasks with the active participation of other partners.

- Activities related with specific WPs (especially WP2-WP7, but also WP8) shall be supervised by the respective WP leaders.

- In order to prevent any potential conflicts and overlapping situations, partners shall inform the core responsible parties (CERTH, SHADOW) whenever they intend to start a new activity (presentation, paper submission, meeting, press release). By default, activities are approved if no objection is raised.

- All the involved partners shall promptly report each dissemination activity, to allow timely steering of WP9. More specifically, each partner has to inform about the activity shortly after the realization of this dissemination activity and provide relevant material (presentations, photos, papers, material) both to CERTH (T9.1 leader and project website administrator) and SHADOW (WP9 leader).

- Indicative leading roles of partners with respect to liaison and collaboration with related projects, initiatives and associations are reported in Annex II of the deliverable.

2.4.3 Expected Results and Success Indicators

The initial roadmap plan presented in Table 1 above (Draft Strategy and Success Indicators per Type of Activity) already includes an indicative set of quantitative expected results (e.g. number of actions) and a set of performance metrics. These metrics will be used to provide a measure of success for the dissemination activities. These indicators thus set the basis for the dissemination report deliverables (current and upcoming).

2.5 Quality and legal-ethical conformity assurance

The RAMCIP consortium comprises eight partners from different EU countries and backgrounds, and it is expected that external groups will be involved in various ways throughout the project’s lifetime. It is also a general observation that either implicitly or explicitly, all of the project partners are involved in dissemination activities. However, dissemination activities are the ones that present the project’s results to the public. The partners are in general agreement that the dissemination should be executed in a manner designed to:

- Present the project and its work in a consistent way
- Safeguard the partners’ and the project’s work and reputation, both legally and ethically
• Maximize effect and minimize cost of activities

All of the above require that the various actions that export the project’s work or import others’ effort, knowledge, or technology conform to quality, legal, and ethical guidelines. Nevertheless, it is almost impossible to pose a priori quantitative rules for corresponding issues related to such activities. Therefore, a series of guidelines have been defined, and each case will be considered as a separate opportunity or event. This clarifies that the RAMCIP consortium monitors the various activities so as to take corresponding actions if necessary.

It is important that the results of RAMCIP are not overstated or understated, and that positive successes are reported in the media within ethical guidelines. The manner in which RAMCIP information is disseminated should always anticipate the different possible reactions. It is important that any project in this field does not, by its actions, degrade the wider public opinion of the novel techniques being created, which to some may be bordering on invasive or opening the doors to potential loss of privacy.

Similarly, the exploitation arguments made in the scope of the project should take into account both the need for cost containment in the EU health system and the need for industry to make a profit. The project partners are mindful that for most citizens healthcare costs are a serious social topic. Therefore, the financial return and cost should be wisely argued when the target market consists of mentally vulnerable individuals.
3. Dissemination Activities for the Reporting Period

3.1 Web Presence Dissemination Activities

The Web-based dissemination activities aim to establish and conduct the overall Web and Social presence of the RAMCIP project contributing to the creation of public awareness about the project’s main objectives and results.

This chapter describes the RAMCIP project portal, which has been developed since Month 1 of the project, is regularly updated and will be maintained for at least three years after the end of the project.

Furthermore, during the reporting period the project has maintained additional online presence by exploiting popular web 2.0 channels and social media, towards further enhancing the project and engaging the web 2.0 community as multipliers of the diffused knowledge. The RAMCIP profiles in Twitter and LinkedIn can be considered as core web instruments utilized to contribute to the project’s wider and effective dissemination.

All the above mentioned means of communication are regularly updated in an integrated and complementary manner thus establishing a unified and coordinated communication framework. The main web-based dissemination activities are analysed in the following sections.

3.1.1 Web Portal Presence

The website for the RAMCIP project is publicly available at the following link: www.ramcip-project.eu, and is held/maintained by CERTH-ITI. The home page (Figure 3) introduces the project by giving some basic information about it and its aims. Furthermore it contains the latest news of the project.

Figure 3: Home page of the RAMCIP website with project news feed
The RAMCIP web portal is the primary route for the dissemination of the project activities and thus special attention is given in this scope. A screenshot of the project news as disseminated through the RAMCIP portal is provided in Figure 4 below.
Moreover, the RAMCIP portal provides access to the RAMCIP dissemination material, such as the press releases, newsletters, poster etc. (Figure 5), scientific project publications (Figure 6), while a special section of the portal is dedicated to providing public access to the project’s public deliverables (Figure 7).
Figure 7: The "Public Deliverables" section of the RAMCIP website

Further details over the design, structure and content of the RAMCIP website can be found in the deliverable D9.2.

The table below summarises the key new material that has been added to the project’s website during the reporting period, in terms of project news, participation in events & conferences, added dissemination material and project documentation.

Table 3 - Overview of RAMCIP Dissemination Material published on the website

<table>
<thead>
<tr>
<th>News &amp; Events</th>
<th>1st year</th>
<th>2nd year</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project News</td>
<td>11</td>
<td>14</td>
<td>25</td>
</tr>
<tr>
<td>Newsletters</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Events &amp; Conferences</td>
<td>8</td>
<td>17</td>
<td>25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Deliverables</td>
</tr>
<tr>
<td>Publications</td>
</tr>
<tr>
<td>Dissemination Material</td>
</tr>
</tbody>
</table>

3.1.1.1 RAMCIP Web Portal Usage Statistics
As reported in D9.2, Google Analytics have been activated on the ramcip-project.eu domain in order to provide the following specific statistical insights:

- number of visits and number of unique visitors
During the first two project years, the RAMCIP project’s website received more than 9700 sessions from around the world.

In the following figures, detailed statistics on the RAMCIP website usage for the second year of the project are provided (Figure 8, Figure 10). Moreover, the way that the RAMCIP project appears in popular web search engines (Google, following proxy-based anonymized searches) given relevant keywords, is shown (Figure 11 - Figure 12).
Figure 8: Audience Overview statistics (during 2016)
Figure 9: Audience Overview statistics (since the beginning of the project)
Figure 10: Frequency and Recency statistics for 2016
Figure 11: Search results for "ramcip project” on Google.com – 1st result
Figure 12: Search results for “service robot for MCI” on Google.com – all first four results refer to RAMCIP
3.1.2 Social Media Presence

In recent years, social media have become ubiquitous and rather important for the effectiveness of dissemination and communication actions. The RAMCIP project puts special attention to the exploitation of popular and vastly populated social media as the means for further transferring the knowledge created within the project and thus establishing a network for interested stakeholders in the results and advancements produced by the project. The web portal remains the core dissemination channel for the project, but important project related news are also made available through the RAMCIP social media channels.

In this scope, RAMCIP Web 2.0 channels such as Twitter and LinkedIn have been established in order to engage a wider public that is made up of both professionals and non-professionals potentially interested in the project and its outcomes. This ensures that the project has the widest possible audience reach and provides a platform of building interest in the outcomes that the project will deliver.

The updating of these accounts is manually performed by the authorized managers of the RAMCIP consortium and respective communication activities leaders who can manually post information about events or other relevant information (e.g. selected news items) related to the project results.

The RAMCIP Twitter account can be found at: https://twitter.com/ramcip
The RAMCIP LinkedIn account is: https://www.linkedin.com/in/rproject

These accounts have been reported in detail in D9.2 and are only briefly outlined here for consistency. A quick overview of the project’s main social media channels created for further disseminating the project results and enhancing the active involvement of and/or synergy with the online and web2.0 community, along with their current state, is illustrated in the figures below.

Figure 13. RAMCIP Twitter account
3.1.3 News Feeds – Mailing List

An RSS Feed has been implemented to automatically keep subscribers of the RAMCIP mailing list updated on the project results and dissemination materials. Thus, it provides information to interested stakeholders about updates in the news and events sections of the website.

CERTH maintains a project mailing list, including stakeholders, end-user groups, etc. who are informed on project news and receive the newsletters. This mailing list is structured according to variables related to the category that the subscribers belong to and regional criteria, thus enabling a refined targeting of the desired end-users. These are being updated also with the subscriptions received via the project website.

3.2 Press releases

During month 24 of the project, a template for the second press release of the project was prepared by CERTH and circulated among the partners for feedback toward its finalisation. The press release focused on the establishment of the integrated first version of the RAMCIP robot and the project’s preliminary tests that are being performed with the V1 RAMCIP robot and end users in Lublin, Poland, at the LUM pilot site. The second press release (Figure 15) was circulated through the RAMCIP website and the website of CERTH, while also being further localized (i.e. translated and adapted) by all partners and disseminated through their own channels.
Further to the above, EU-wide press release, a series of further press releases were derived from the Consortium partners in local level during the second project year. The main objective of these press releases was to disseminate the ad hoc activities of the Consortium partners to the local interest groups. These press releases were provided either through local online channels or through physical channels (newspapers, magazines etc...). Indicatively, it can be noted in this scope that RAMCIP received a significant amount of press coverage in Poland, as a result of a series of corresponding communication activities that were established by ACCREA and LUM, in the context of the European Robotics Week 2016 in Lublin, Poland, as further explained in Section 3.7.12 of the deliverable.
3.3 Project Newsletters

The project has developed a six-monthly digital newsletter addressed to key stakeholders, policy makers and the scientific community. The newsletter is an information tool aiming at updating stakeholders about the project implementation. It reports project progress, success stories, and all the essential information to guarantee an up-to-date communication flow.

The RAMCIP newsletter is available from the project portal as well ([http://ramcip-project.eu/ramcip/newsletter/ramcip-newsletter](http://ramcip-project.eu/ramcip/newsletter/ramcip-newsletter)). The RAMCIP newsletters aim to convey information about:

- Project Progress and Results
- Dates, details, comments regarding project related conferences, meetings, events or publications
- Project-related news
- Consortium News

The newsletters are distributed through the RAMCIP mailing list. The following figures show the second and third version of the RAMCIP Newsletters, which were circulated during the reporting period, in March and September 2016 respectively, in accordance to the Gantt chart of the planned RAMCIP communication activities, reported in Section 2.4 of the deliverable.

![Figure 16. Screenshot of the second version of the RAMCIP newsletter (page 1)](image-url)
Figure 17. Screenshot of the second version of the RAMCIP newsletter (page 2)

Figure 18. Screenshot of the third version of the RAMCIP newsletter (page 1)
The indicative timeline for the circulation of the next RAMCIP newsletter issues is illustrated in the Gantt chart of the planned RAMCIP communication activities in Section 2.4 of the deliverable.

### 3.4 Additional Dissemination Material

The RAMCIP project has established from the beginning of the project dissemination and communication material related to the “project documentation”, so as to further facilitate the diffusion of the project objectives, vision and outcomes to the target dissemination communities.

Specifically, the project’s leaflet (Figure 20, Figure 21), poster (Figure 22) and reference presentation (Figure 23) are accessible through the project’s website. The printed version of the project’s leaflet has already been used for distribution in the events where the members of the RAMCIP consortium participated, as summarized in the following sections of the deliverable.
RAMCIP has produced a poster in A0 format that reflects the scope of the project and its vision in a minimal but appealing manner. By being both printed and electronic, the RAMCIP poster enables the consortium partners to use it (Print-On-The-Go) in dissemination events and workshops, as well as to disseminate it through their respective websites. The RAMCIP Poster appears in the following figure.
Figure 22. First version of the RAMCIP poster

The consortium has prepared a general dissemination RAMCIP PowerPoint presentation graphically based on the RAMCIP PowerPoint Presentation Template. The RAMCIP reference presentation includes information about the Project, its scope, approach and the anticipated impact as well as the RAMCIP consortium partners and further project key facts.
Figure 23. The 1st version of the RAMCIP reference presentation

According to the project’s indicative Gantt chart for the planned dissemination activities (Section 2.4), the project’s leaflet, poster and reference presentation are going to be updated at later project stages so as to be further aligned with the project’s progress and achievements.

Moreover, it should be noted at this point that according to the RAMCIP Dissemination Plan, a RAMCIP project video is currently under development, following the development of the first version of the RAMCIP robot and its application in the project’s preliminary tests.

3.5 Publications

3.5.1 Scientific Publications - Journals and Conferences

The following table summarizes the scientific publications, in journals and scientific conferences achieved by different consortium partners since the beginning of the project. The RAMCIP presentation on the respective events is in line with the initial dissemination planning and the strategic role of each partner of the RAMCIP Consortium.

In the following sub-sections, detailed information on the project publications achieved in the reporting period are provided.
Table 4: Summary of project publications since the beginning of the project

<table>
<thead>
<tr>
<th>Responsible Partner</th>
<th>Paper</th>
<th>Date</th>
<th>Conference/Journal</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTH</td>
<td>Human-inspired object load transfer in hand-over tasks</td>
<td>Jul-15</td>
<td>RSS 2015</td>
</tr>
<tr>
<td>CERTH</td>
<td>RAMCIP: Towards a Robotic Assistant to Support Elderly with Mild Cognitive Impairments at home</td>
<td>Sep-15</td>
<td>EAI MindCare 2015</td>
</tr>
<tr>
<td>ACE</td>
<td>RAMCIP project: robotic research development to help AD patients at home</td>
<td>Nov-15</td>
<td>CTAD Congress 2015</td>
</tr>
<tr>
<td>TUM</td>
<td>Spatial adaption of robot trajectories based on laplacian trajectory editing</td>
<td>Jan-16</td>
<td>Autonomous Robots (Springer)</td>
</tr>
<tr>
<td>TUM</td>
<td>Impedance-based Gaussian Processes for Predicting Human Behavior during Physical Interaction</td>
<td>May-16</td>
<td>IEEE ICRA 2016</td>
</tr>
<tr>
<td>CERTH</td>
<td>A constraint-based taxonomy of grasp strategies for grasping flat objects</td>
<td>May-16</td>
<td>IEEE ICRA 2016</td>
</tr>
<tr>
<td>LUM/ACE</td>
<td>Robot as a caregiver? - expectations of patients with early dementia stages, caregivers and medical staff</td>
<td>May-16</td>
<td>EAN Congress 2016</td>
</tr>
<tr>
<td>CERTH</td>
<td>Recovering 6D Object Pose and Predicting Next-Best-View in the Crowd</td>
<td>Jun-16</td>
<td>CVPR 2016</td>
</tr>
<tr>
<td>ACE</td>
<td>RAMCIP Project, a Robotic Assistant for MCI Patients at home: A novel</td>
<td>Jul-16</td>
<td>AAIC 2016</td>
</tr>
<tr>
<td>Partners</td>
<td>Approach in caregiving</td>
<td>Date</td>
<td>Conference</td>
</tr>
<tr>
<td>----------</td>
<td>------------------------</td>
<td>------</td>
<td>------------</td>
</tr>
<tr>
<td>CERTH</td>
<td>Operational space robot control for motion performance and safe interaction under Unintentional Contacts</td>
<td>Jul-16</td>
<td>ECC 2016</td>
</tr>
<tr>
<td>CERTH</td>
<td>Human Aware Robot Navigation in Semantically Annotated Domestic Environments</td>
<td>Jul-16</td>
<td>HCII 2016</td>
</tr>
<tr>
<td>LUM/ACE/CERTH</td>
<td>The Robotic Assistant for MCI Patients (RAMCIP) with Proactive Functions</td>
<td>Oct-2016</td>
<td>ANA Annual Meeting 2016</td>
</tr>
<tr>
<td>TUM</td>
<td>Augmented Invariance Control for Systems with Smoothness Constraints</td>
<td>Dec-16</td>
<td>IEEE CDC 2016</td>
</tr>
</tbody>
</table>

### 3.5.1.1 Scientific Conferences in the reporting period

  Partners: TUM

  Partners: CERTH

  Partners: LUM/ACE

Open access content http://ramcip-project.eu/ramcip/system/files/vasileiadis_etal_petra.pdf
Partners CERTH


Partners CERTH


Open access content http://ramcip-project.eu/ramcip/system/files/karayiannidis_etal_ecc2016.pdf
Partners CERTH


Open access content http://www.alzheimersanddementia.com/article/S1552-5260(16)31912-4/fulltext
Partners ACE


Open access content http://ramcip-project.eu/ramcip/system/files/kostavelis_etal_hci2016.pdf
Partners CERTH
Deliverable D9.6 Dissemination Level (PU) 643433–RAMCIP

  
  Open access content: https://www.iris.sssup.it/handle/11382/509870#.WD6snH2554Q
  Partners: SSSA/CERTH

  
  Partners: LUM/ACE/CERTH

  
  Open access content: http://mediatum.ub.tum.de/doc/1320222/211158.pdf
  Partners: TUM

3.5.1.2 Journal Publications in the reporting period

  
  Open access content: http://mediatum.ub.tum.de/doc/1238865/905710.pdf
  Partners: TUM

3.5.2 Public Deliverables

The following table presents the public deliverables of the RAMCIP project which have been made publicly available through the project’s website during the reporting period (see website section: http://ramcip-project.eu/ramcip/public-deliverables). This list includes the deliverables which were accepted by the Commission following the first periodic project review. The further public deliverables which were due during the current period will be made publicly available once their final versions derive, following the RAMCIP second periodic review.

<table>
<thead>
<tr>
<th>Del. No.</th>
<th>Deliverable Title</th>
<th>Leading Partner</th>
<th>Delivery Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>D2.1</td>
<td>Report on end-user requirements and use cases break down (updated, final version, following the</td>
<td>LUM</td>
<td>M14</td>
</tr>
</tbody>
</table>

December 2015 45 CERTH
3.6 Liaison with related Projects, Initiatives and Associations

During the reporting period, the RAMCIP project has established liaison with a series of projects and initiatives related to the project's overall scope, vision and objectives, among others, toward further increasing awareness for the project in the respective communities. The key elements of these RAMCIP efforts in this scope for the second project year are summarized in the rest of the present section, while target related projects, initiatives and associations with which the project will further seek collaborations in the next period are outlined in Annex II.

3.6.1 H2020 RADIO and ARGO projects

CERTH established liaison with the EU-funded (H2020) RADIO and ARGO projects. In this scope, CERTH represented RAMCIP in the workshop entitled "Trends and challenges of Cyber Physical Systems: Design, Architectures and Applications" at the ICT conference 2016 which was held in Thessaloniki, Greece, in May 2016. The workshop comprised invited talks and demonstrators from both industry and academia, and it was jointly supported by RADIO, ARGO, and RAMCIP EU H2020 funded projects.

3.6.2 Mediterranean Alzheimer Alliance

RAMCIP established liaison with the Mediterranean Alzheimer Alliance (MAA). The MAA is composed of Alzheimer associations, scientific experts and health care professionals from the Mediterranean region. This network aims: (1) To help Alzheimer actors in the Mediterranean area develop their initiatives, (2) To identify the needs and specificities of this region, (3) To encourage future partnerships between associations, scientists and academics, (4) To share and exchange knowledge and practices, (5) To put forward recommendations in order to make sure that Alzheimer’s disease becomes a priority in the Mediterranean. This liaison has been driven by the strong bond between the MAA and Fundacio ACE. In this scope, the RAMCIP project was presented in the Mediterranean Alzheimer’s Alliance Meeting, which was held in Barcelona, Spain, on 27 May 2016.

3.6.3 H2020 MSC-ITN ACROSSING project

CERTH established liaison with the EU-funded (H2020) Marie Sklodowska-Curie ITN project ACROSSING. The ACROSSING project aims to address the global ageing problem by implementing a multidisciplinary cross-sector pan-European training network of 15 Early Stage Researchers. The overall goal is to address existing challenges of Smart Home research by focusing on the development of technology infrastructures.

In this scope, RAMCIP was presented in the 1st Training Event of the EU-funded ACROSSING project (H2020 Marie Sklodowska-Curie ITN project), which was held in Thessaloniki, Greece, in September 2016. During the event’s “demo and interaction sessions”, Early Stage Researchers (ESRs) and Beneficiaries of the ACROSSING project were shown live demonstrations of core technologies of the RAMCIP robot, through the preliminary platform of RAMCIP.
3.7 Additional dissemination events

During the reporting period, the members of the RAMCIP Consortium have further disseminated the project, its objectives, vision and initial results of its research efforts, in a series of external events related both to the robotics domain, as well as to healthcare applications, focusing on older MCI and AD patients.

3.7.1 International Conference on Telecommunications (ICT) 2016

RAMCIP participated in a workshop entitled “Trends and challenges of Cyber Physical Systems: Design, Architectures and Applications” at the ICT conference 2016 which was held in Thessaloniki, Greece, on 16-18 May 2016. It was a full day workshop with a combination of invited talks and demonstrators from both industry and academia, jointly supported by RADIO, ARGO, and RAMCIP EU H2020 funded projects.

The purpose of this workshop was to discuss strategies for future Cyber Physical Systems (CPS) architecture design, design tools and methods and applications. Furthermore, it provided the opportunity for researchers coming from different technological, research and business background to discuss, exchange opinions and views on critical yet diverse challenges paving the way from advancements in areas such as: wireless sensor communication protocols, low energy communication techniques, low power miniaturized embedded systems, hardware accelerators, audio/image/video signal processing, processing units architectures, end-to-end communication infrastructure, smart home communication protocols, services and application scenarios.

RAMCIP’s participation included a live demonstration of computer vision methods developed by CERTH, operating on the preliminary RAMCIP robot platform, as well as the invited speech: “Service robot applications to support MCI patients at home - the RAMCIP project approach”.

Figure 24: Left: “Service robot applications to support MCI patients at home - the RAMCIP project approach” speech given by Dr. Dimitrios Giakoumis from CERTH at ICT 2016. Right: RAMCIP robot platform on its way to recognize objects on the table

3.7.2 X Barcelona-Pittsburgh Conference 2016

For the first time in the Barcelona-Pittsburgh Conference, a workshop on “Social Robotics” has been held, where the RAMCIP project was presented. This year the 10th (X) Barcelona-Pittsburgh Conference 2016 has been presented together with the Annual Meeting of the Catalan Neurological Society in the World Trade Center in Barcelona, with more than 400 assistants.
The main objective of this novel workshop in the Barcelona-Pittsburgh Conference is to apply the knowledge from Social Robotics into the different aspects of Alzheimer’s disease.

In this workshop, Dr. Abdelnour from Fundació ACE presented “RAMCIP project overview and the pilot trial´s description”, Dr. Dimitrios Giakoumis from CERTH talked about “Affect and Cognitive Exercises in Social Robotics” and Tsvetelina Marinova spoke about “Social Robots in Pal Robotics and Its Applications”.

![Figure 25: RAMCIP participation in the X Barcelona-Pittsburgh Conference 2016](image)

### 3.7.3 Mediterranean Alzheimer´s Alliance Meeting 2016

The RAMCIP project was presented in the Mediterranean Alzheimer´s Alliance Meeting, which was held in Barcelona, Spain, on 27 May 2016, with representatives from 17 countries: Algeria, Croatia, Cyprus, Egypt, France, Italy, Greece, Libya, Malta, Monaco, Morocco, Portugal, Slovenia, Spain, Tunisia and Turkey.

The main aim of the Mediterranean Alzheimer´s Alliance is to strengthen relationship between countries in order to develop initiatives, identify needs from each region, share and exchange experiences and present recommendations to assure that the diagnosis, treatment and research about Alzheimer´s disease becomes a priority in the Mediterranean area.

Dr. Dimitrios Giakoumis from CERTH gave the invited speech: “Service robot applications to support MCI patients at home; the RAMCIP project approach”.

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**CERTH**
3.7.4 2nd Congress of the European Academy of Neurology (EAN)

RAMCIP was presented in the European Academy of Neurology 2016, held in Copenhagen, Denmark from 28-31 May. This is the meeting for the clinicians and scientists in the field of neurology from Europe and beyond, with over 6000 participants.

An overview of the project with the title “Robot as a caregiver? - expectations of patients with early dementia stages, caregivers and medical staff” was presented by Dr. Korchut during the Ageing and dementia session. The aim of the presentation was to present requirements of persons with cognitive impairment in relation to a robotic assistant from three stakeholder groups point of view. It was emphasized that Medical University of Lublin and Fundacio ACE of Spain investigated this issue in the framework of the RAMCIP project. The objective of the RAMCIP project was also presented.

3.7.5 Automatica 2016

At Automatica 2016 (8th International Trade Fair for Automation and Mechatronics), held in Messe, Munchen, on 19-22 June 2016, Shadow Robot demonstrated a system including concepts and functionality developed for RAMCIP.

The system was comprised of a Shadow E1 Dexterous Hand, a UR10 arm and an Asus Xtion structured Light 3D camera. An array of objects taken from the YCB object set were presented on a table in front of the user for detection and recognition. The user could then select an object simply by pointing at it. This was implemented using the skeleton tracking and action recognition modules developed by CERTH for RAMCIP. The robot would then pick up the object using an appropriate grasp and present it to the user, releasing the object automatically as the user took it. Combined with the gesture based control, this gave a very natural feeling and intuitive experience for the user.
3.7.6 RoboCup2016

RAMCIP took part in an exhibition accompanying the RoboCup2016. This international event has started in 1997 in Japan and is organized every year in a different city. This year it took place on 30.06.2016 – 4.07.2016 in Leipzig, eastern Germany.

Although RoboCup is focused on various robot games, it was a real fest of the robotics in which industry and academic exhibitors also took part. There were four days packed with presentations of robots and football emotions.

RAMCIP’s participation included a live demonstration of preliminary mobile platform and project flyer distribution.

Figure 27. RAMCIP participation in Automatica 2016
3.7.7 Alzheimer Association International Conference 2016

RAMCIP was presented in the Alzheimer Association International Conference (AAIC) 2016 held in Toronto, Canada from 22-28 July. This is the largest meeting for the researchers in dementia around the world, with more than 70 countries participating and gathering together over 5000 participants that include: clinicians, care providers, students and investigators.

An overview of the project with the title "RAMCIP Project, a Robotic Assistant to Support AD Patients at Home: A Novel Approach in Caregiving" was exhibited by Dr. Abdelnour at the Health and Psychosocial Dementia Care Practice Session, emphasizing the need of developing new strategies in caregiving, where robotic technologies offer a potential solution to support individuals with cognitive impairment.
3.7.8 1st Training Event of the ACROSSING project

RAMCIP was presented in the 1st Training Event of the EU-funded ACROSSING project (H2020 Marie Sklodowska-Curie ITN project), which was held in Thessaloniki, Greece, on 14-16 September 2016.

During the event’s “demo and interaction sessions”, Early Stage Researchers (ESRs) and Beneficiaries of the ACROSSING project were shown live demonstrations of core technologies of the RAMCIP robot, through the preliminary platform of RAMCIP, which is currently located at the premises of CERTH-ITI. The live demonstrations focused on technologies related to the semantic representation of the robot’s domestic operational space, as well as to navigation and object recognition methods. Integrated demonstrations between the RAMCIP vision and object grasping methods developed by CERTH were also shown to the ACROSSING consortium members.
3.7.9 141st Annual Meeting of American Neurological Association (ANA)

The RAMCIP project was presented in the 141st Annual Meeting of American Neurological Association (ANA), which was held during Oct 16 - 18, 2016 in Baltimore, Maryland, United States of America. The target audience for this medical event was basically for neurologists and neuroscientists.

An overview of the project with the title “The Robotic Assistant for MCI Patients (RAMCIP) with Proactive Functions” was presented by Prof. Konrad Rejdak at the Dementia and Aging Session. The aim of the presentation was to indicate which user requirements for MCI and early AD population depend on the patients’ attitudes. On behalf of RAMCIP Group the general objective of the RAMCIP project was presented with special emphasis of its novel proactive functions.

3.7.10 Presentation of the RAMCIP project objectives and its current state to the end-users and caregivers:

On the 22nd and 23rd of November 2016, the presentation combined with a training session to the potential end-users as well as formal and non-formal caregivers was given by Justyna Gerłowska (LUM). The presentations took place in:

- http://www.dps-michalisowej.lublin.pl/
- http://www.betania.lublin.eu/
- http://dpsametystowa.lublin.eu/

During the presentation, the main RAMCIP objectives and the current state of the research were described. Some of the elderly persons participating in the presentation were taking part in the experiments conducted so far by the RAMCIP consortium partners in the premises of LUM. During the presentation, their contribution to the project development was underlined and RAMCIP souvenirs were distributed.

During the training session, the main functionalities were explained. For this purpose a manual film was prepared by LUM. The presentation as well as the training session was met with warm welcome and heated discussions.
3.7.11 International Conference on Social Robotics (ICSR) 2016

RAMCIP participated in the workshop entitled “Using Social Robots to Improve the Quality of Life in the Elderly” of this year’s International Conference on Social Robotics, which was held in Kansas City, USA, on November 2016, through the invited speech: “Vision-based perception and user-centric cognition methods for service robots to support MCI patients at home; the RAMCIP project approach”. The speech was given by the RAMCIP project Coordinator, Dr. Dimitrios Tzovaras (CERTH).

Following a brief overview of the project, the speech presented RAMCIP advances in methods of robotic vision-based perception and user-centric cognition. Perception methods focus herein on the robust recognition and pose estimation of household objects and appliances (from small, graspable objects, through to large articulated ones), as well as on the hierarchical semantic mapping of the overall domestic environment. Moreover, following the tracking of human activity, the robot’s user-centric cognition methods focus on one hand on the human-aware, safe and socially acceptable robot navigation, and on the other, on autonomous decision making over when and how the robot should engage in an assistance provision intervention.
3.7.12 European Robotics Week 2016 in Lublin

On the 24th - 26th of November, ACCREA and LUM organized an event in the frame of European Robotics Week. The event took place at LUM premises in the city centre and during three days was attended by about 500 people. The audience was diverse and included primary and high school students, technical and medical universities students and general audience.

Information about the event appeared before, during and after the event in different types of media: radio, newspapers, local and nationwide television, as further explained below.

a) Radio Centrum - Local Academic Radio prepared an hour broadcast where Wojciech Brzozowski and Małgorzata Szyszko were informing about the presented robots, as well as the reasons on why such events are taking place all around the Europe. It was emitted twice, on Friday 18th of November, at 12.am and on Sunday, 20th of November at 10.am. Short information about what was presented can be found at the Radio website: http://centrum.fm/wystawa-robotow-w-lublinie/
b) Medical Cluster in Lublin sent invitations to all Cluster members using their mailing list, moreover, the invitation was also posted at their website: http://medycyna.lublin.eu/2016/11/17/europejski-tydzien-robotyki/
Europejski Tydzień Robotyki

Europejski Tydzień Robotyki


Godziny otwarcia wystawy:
24.11.2016 (czwartek) godz. 9:00 – 17:00
25.11.2016 (piątek) godz. 9:00 – 17:00
26.11.2016 (sobota) godz. 9:00 – 16:00

W trakcie wystawy będzie można zapoznać się z technologiami stosowanymi w robotyce oraz zobaczyć prototypowe roboty stworzone w Lublinie w ramach międzynarodowych projektów:

- robot pomagający zdalnie zbadać pacjenta
- robot – towarzyszący życie osób z problemami z pamięcią, głowę robotyczną pokazującą emocje,
- mobilne platformy robotyczne.

Zachęcamy do udziału w wydarzeniu!

Program

Europejski Tydzień Robotyki - Lublin

Uniwersytet Medyczny i firma ACCREA w ramach Europejskiego Tygodnia Robotyki zapraszają na wystawę robotów, które powstały w Lublinie. W trakcie wystawy zaprezentowane zostaną również wykłady dotyczące różnych aspektów współczesnej robotyki.

Robots for Humans

dr inż. Bartłomiej Stanczyk

godz. 15.00, czas ok. 45 min

Robots for Humans

dr inż. Bartłomiej Stanczyk

godz. 15.00, czas ok. 45 min

Roboty opiekuńcze - fanaberia czy konieczność?

lek. Urszula Skrobas

godz. 15.00, czas ok. 45 min

Lekarz z przyszłości. Medycyna a Roboty

lek. Katarzyna Grabowska-Aleksandrowicz

godz. 16:00, czas ok. 45 min

Prezentacja rozwiązań roboczych stosowanych w medycynie. Omówienie ich zastosowania i korzyści dla pacjenta i dla lekarza. Próbne odpowiedzi na pytania: czy robot może zastąpić lekarza?

d) At the website of Coordinators of ERW, eu-robotics, the lectures given during our exhibition were listed, below is the example provided. Details can be found at: https://eu-robotics.net/robotics_week/events/index.html?c=pl

e) ACCREA prepared a Facebook event and below are the corresponding statistics presented:
During the event, the local department of the national Polish television prepared a film about robots RAMCIP (EU Horizon 2020 project) and some others robots built by ACCREA. Link: [https://www.facebook.com/lublin.tvp/videos/1185326384887043/](https://www.facebook.com/lublin.tvp/videos/1185326384887043/)

Kto z Was w minionym tygodniu odwiedził wystawę robotów medycznych na naszej Uczelni?
Zachęcamy do obejrzenia krótkiej relacji z tego wydarzenia.

Czy roboty będą służyć ludzieniu? W Collegium Novum Uniwersytetu Medycznego w Lublinie można popatrzeć na to, co potrafią
g) Polsat News, a Polish nationwide TV channel conducted live broadcasts from the event several times during the first day of the event, on Thursday, 24th of November.

h) Local newspaper, Kurier Lubelski, published an article about the event and photo gallery.
http://www.kurierlubelski.pl/edukacja/a/roboty-medyczne-z-lublina-przypomna-o-tabletce-i-wezwa-pomoc-zdjecia,11499179/

Roboty medyczne z Lublina. Przypomniam o ta (ZDJĘCIA)

http://www.kurierlubelski.pl/edukacja/a/roboty-medyczne-z-lublina-przypomna-o-tabletce-i-wezwa-pomoc-zdjecia,11499179/

i) Local newspaper, Dziennik Wschodni published an article about the event and photo gallery.

j) Medical University of Lublin posted the photos from the event at the Facebook profile and the University website:
https://www.facebook.com/UMLub24/?fref=ts
k) Pharmaceutical website provided a short article about RAMCIP and ReMeDi robots

Roboty RAMCIP i ReMeDi rodzimej produkcji można od czwartku (24 listopada) oglądać na wystawie w rektoracie Uniwersytetu Medycznego w Lublinie. Pierwszy z nich przypomni m.in. kiedy trzeba wziąć leki i jakie.

RAMCIP "domowy robot asystent dla pacjentów z łagodnymi zaburzeniami poznawczymi" (z ang. Robotic Assistant for MCI Patients at home) ma pomagać osobom starszym z problemami z pamięcią i osobom we wczesnym stadium choroby Alzheimera.

Nie tylko przypomina o lekach, podaje przedmioty, ale jeśli coś się stanie, np. pacjent upadnie, robot, otrzymując informację na temat np. akcji serca, może zareagować i wezwać pomoc.

ReMeDi z kolei służy zdalnej diagnostyce medycznej. Urządzenie umożliwia wykonanie m.in. badania USG albo oślechanie pacjenta za pomocą stetoskopu na odległość.

RAMCIP i ReMeDi to prototypy, które są obecnie testowane m.in. przez lubelskich lekarzy. Kiedy trafią do domów pacjentów i będą powszechnie stosowane w szpitalach - trudno powiedzieć.

Więcej: www.kurierlubelski.pl

1) The local department of the national Polish radio, ESKA informed the people about the exhibition. The information about it was also at their website. http://lublin.eska.pl/a-newsy/roboty-jak-lekarze-prototypy-mozna-ogladac-w-lublinie-1855427c/315895

ROBOT – NOWY PRZYZJACIEL CZŁOWIEKA?

Katarzyna Piekarczyk | 30 listopada 2016

Rozmawiają z przechodniami, badają pacjentów i pomagają osobom starszym. Roboty coraz częściej wykorzystywane są głównie w medycynie i stają się jakby przedłużeniem ręki lekarza. Więcej o trendach w tej dyscyplinie naukowej przeczytacie w wywiadzie z dr. inż. Bartłomiejem Stańczykiem, który na co dzień zajmuje się projektami robotycznymi.

Medycyna lubi roboty? Jak wygląda zastosowanie tego typu urządzeń w leczeniu pacjentów?


Jakie jest zainteresowanie na rynku? Na jakie potrzeby zwracają uwagę lekarze?

n) Further pictures from the event
4. Evaluative Summary of Dissemination Activities

This section aims to provide a consolidated overview, mainly based on brief table formats, of the dissemination activities by additionally presenting monitoring indicators as evaluation metrics on their actual performance. More specifically, the table below presents a consolidated summary of the main results of the dissemination strategy for the second project period, taking into account the ongoing dissemination activities and the planning established in the RAMCIP dissemination plan described in Section 2.4. A list of indicative Monitoring Indicators is provided in order to present a clear view on the evaluation of the dissemination activities.

The project’s evaluative summary for the first year period is as follows:

<table>
<thead>
<tr>
<th>#</th>
<th>Type of Activity</th>
<th>Target</th>
<th>Activities Implemented</th>
<th>Third Year Targets</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Web Portal and Presence on Social Media</td>
<td>Regular update of the website content</td>
<td>Regular update of the website content (project news, public deliverables, etc.)</td>
<td>Regular update of the website content</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Regular actions on social media</td>
<td>Regular actions on social media (&gt;70 Twitter followers, &gt;500 LinkedIn connections)</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Publications</td>
<td>At least 3 scientific papers</td>
<td>9 scientific papers (four in peer-reviewed conference proceedings and one journal publication)</td>
<td>At least 3 scientific papers</td>
</tr>
<tr>
<td>3</td>
<td>Liaison with related projects and initiatives</td>
<td>Establish first contacts with 3 European projects and related associations</td>
<td>Established liaison with H2020 RADIO, ARGO and ACROSSING projects, Mediterranean Alzheimer Alliance</td>
<td>Establish first contacts with 2 additional European projects</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maintain contacts with previously contacted entities</td>
<td>Contacts with previously established liaisons have been maintained</td>
<td>Maintain contacts with previously contacted entities</td>
</tr>
<tr>
<td>4</td>
<td>Thematic events, training, presentation and feedback sessions</td>
<td>Participation in at least 3 international events</td>
<td>Participation in 11 events (including, RoboCup 2016, Automatica 2016, ICSR 2016, Alzheimer Association International Conference 2016, Mediterranean Alzheimer’s Alliance meeting 2016, European Robotics Week 2016)</td>
<td>Participation in at least 3 international thematic events</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Participation in at least 3 national events</td>
<td>Demonstration, presentation and feedback sessions established in Automatica 2016, ICT 2016, ACROSSING 1st Training Event</td>
<td>Establishment of 2 presentation &amp; feedback sessions targeting the service robotics sector</td>
</tr>
<tr>
<td></td>
<td></td>
<td>At least 1 presentation &amp; feedback session</td>
<td></td>
<td>Participation in at least 1 national event per partner country</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Establishment of 2 training sessions for end users/stakeholders</td>
</tr>
<tr>
<td>#</td>
<td>Type of Activity</td>
<td>Target</td>
<td>Activities Implemented</td>
<td>Third Year Targets</td>
</tr>
<tr>
<td>---</td>
<td>----------------------------------------</td>
<td>------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Establishment of 1 training session for end users/stakeholders</td>
<td>Training session for end users/stakeholders established in the context of the LUM</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>preliminary tests in Lublin, Poland</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Promotional Content and Dissemination</td>
<td>Posting and circulation of at least 2 Newsletters issues</td>
<td>Posting and circulation of the second and third issues of project Newsletters</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Material</td>
<td>At least 1 EU-wide press release about the project and localized press releases</td>
<td>1 EU-Wide Press Release related to the V1 robot and preliminary trials start was circulated</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>First version of project video</td>
<td>Preliminary project video prepared by LUM for the training sessions with end users; official project video under development</td>
<td></td>
</tr>
</tbody>
</table>
5. Conclusions
The primary purpose of the present deliverable was to present the dissemination activities of the RAMCIP project within the second 12 months of the project duration (January 2016 - December 2016).

Being the second of the “Periodic Dissemination Report” deliverable series (D9.1, D9.6 and D9.7), this report firstly summarizes the overall dissemination strategy of the RAMCIP project, as had been defined during the first project year and reported in D9.1. Then, it describes the efforts that were put from the project during its second year period, toward establishing dissemination and communication activities in line with the defined dissemination strategy and plans.

The main dissemination targets of the project involve the primary target end users of the RAMCIP robot, their relatives and caregivers, associations related to the target communities, the robotics industry and professionals, focusing on the service robotics sector, the general public and of course, the scientific communities related to the project’s R&D activities. The project’s means of dissemination fall in the scope of publications, events and E-media, whereas the corresponding activities that have been defined in the project’s dissemination strategy can be grouped in the categories of: (a) web presence, (b) scientific publications, (c) liaisons with related projects, initiatives and associations, (d) organization/participation in thematic events related to the project, as well as (e) establishment of promotional/dissemination material to support the project’s dissemination actions.

For each of the above types of dissemination activities, the project’s dissemination plan has defined specific KPIs for each reporting period, in line with the high-level aims that have already been set in the project’s DoA. In addition, a detailed timeline has been defined for the implementation of the project’s core dissemination activities, along with respective allocation of roles among the WP9 partners, including the leading roles for the establishment of contacts with related projects, initiatives and associations, as described in detail in Annex II of the present deliverable. The project’s dissemination plan remains open throughout the project’s duration, so as to be adapted in case this is deemed necessary in the next project period.

Focusing on the core part of the present deliverable, dedicated to the reporting of the project’s dissemination activities for this period, it should be first of all pointed out that from the beginning of the project, strong web presence has been established for RAMCIP, through the project’s website and utilization of social media. Moreover, the second and third issues of the project’s newsletter were circulated in line with the project’s dissemination plan. Further to those activities, project partners participated during the reporting period in a series of events to present RAMCIP and established liaison with several projects, initiatives and associations related to the RAMCIP project. In addition, the project already established a series of publications in scientific conferences and journals.

The above are reported in detail in Section 3 of the present deliverable. Then, Section 4 of the deliverable provides a summary of the project’s dissemination activities for the reporting period, evaluating the respective achievements to the KPIs set in the project’s dissemination strategy. Summarizing the outcomes of this evaluative summary, it should be noted that RAMCIP has successfully fulfilled the aims that had been set for the reporting period, whereas the last project deliverable of the “Periodic Dissemination Report” series will reflect the project’s progress toward the KPIs, during the third project year period.
References

[1] RAMCIP Grant Agreement Annex I – “Description of Action” (DoA)
Annex I: Scientific Journals and Conferences

The present Annex summarizes key scientific journals and conferences that provide opportunities for scientific publications of the RAMCIP project to be established. The criteria for including these journals and conferences were their scope, their reputation, and their relevance in the involved scientific communities.

Relevant Scientific Journals

<table>
<thead>
<tr>
<th>Journal</th>
<th>URL</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEEE Transactions on Robotics</td>
<td><a href="http://ieeexplore.ieee.org/xpl/aboutJournal.jsp?punumber=8860">http://ieeexplore.ieee.org/xpl/aboutJournal.jsp?punumber=8860</a></td>
<td>The IEEE Transactions on Robotics (T-RO) publishes fundamental papers on all aspects of Robotics, featuring interdisciplinary approaches from computer science, control systems, electrical engineering, mathematics, mechanical engineering, and other fields. Robots and intelligent machines and systems are critical in areas such as industrial applications; service and personal assistants; surgical operations; space, underwater, and remote exploration; entertainment; safety, search, and rescue; military applications; agriculture applications; and intelligent vehicles. Special emphasis in the T-RO is placed on intelligent machines and systems for unstructured environments, where a significant portion of the environment is unknown and cannot be directly sensed or controlled.</td>
</tr>
<tr>
<td>Autonomous Robots</td>
<td><a href="http://link.springer.com/journal/10514">http://link.springer.com/journal/10514</a></td>
<td>Autonomous Robots reports on the theory and applications of robotic systems capable of some degree of self-sufficiency. It features papers that include performance data on actual robots in the real world. Coverage includes: control of autonomous robots · real-time vision · autonomous wheeled and tracked vehicles · legged vehicles · computational architectures for autonomous systems · distributed architectures for learning, control and adaptation · studies of autonomous robot systems · sensor fusion · theory of autonomous systems · terrain mapping and recognition · self-calibration and self-repair for robots · self-reproducing intelligent structures · genetic algorithms as models for robot development. The focus is on the ability to move and be self-sufficient, not on whether the system is an imitation of biology. Of course, biological models for robotic systems are of major interest to the journal since living systems are prototypes for autonomous behavior.</td>
</tr>
<tr>
<td>International Journal on Robotics Research</td>
<td><a href="https://uk.sagepub.com/en-gb/eur/journal/international-journal-robotics-research">https://uk.sagepub.com/en-gb/eur/journal/international-journal-robotics-research</a></td>
<td>A leading peer-reviewed journal in its field for more than two decades, The International Journal of Robotics Research (IJRR) was the first scholarly publication on robotics research. IJRR offers incisive and thought-provoking original research papers and articles, perceptive reviews, and lively editorials on ground-breaking trends issues, technical developments, and theories in robotics by the outstanding scholars and practitioners in the field. The Journal covers more than just narrow technical advances-it embraces a wide variety of topics. Consistently ranked in the top 3 of the Thomson Scientific JCR, IJRR publishes scholarly articles that provide engineers, researchers, and scientists with the very best of current research on robotics research - from applied mathematics to artificial intelligence to computer science, to electrical and mechanical engineering. IJRR also publishes high quality, peer reviewed datasets and multimedia extensions alongside articles. This journal is a member of the Committee on Publication Ethics (COPE).</td>
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<tr>
<td>Robotics and Autonomous Systems</td>
<td><a href="http://www.journals.elsevier.com/robotics-and-autonomous-systems/">http://www.journals.elsevier.com/robotics-and-autonomous-systems/</a></td>
<td>Robotics and Autonomous Systems will carry articles describing fundamental developments in the field of robotics, with special emphasis on autonomous systems. An important goal of this journal is to extend the state of the art in both symbolic and sensory based robot control and learning in the context of autonomous systems. Robotics and Autonomous Systems will carry articles on the theoretical, computational and experimental aspects of autonomous systems, or modules of such systems. In more detail, the journal will cover the following topics:</td>
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<td>- Sensory mediated robot behavior control</td>
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<td>- Active sensory processing and control</td>
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<td>- Robust techniques in AI and sensing e.g. uncertainty modeling, graceful degradation of systems</td>
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<td>- CAD-based robotics e.g. CAD-based vision, reverse engineering</td>
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<td></td>
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<td>- Robot planning, adaptation and learning</td>
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IEEE Robotics and Automation Magazine


IEEE Robotics & Automation Magazine is a unique technology publication which is peer-reviewed, readable and substantive. The Magazine is a forum for articles which fall between the academic and theoretical orientation of scholarly journals and vendor sponsored trade publications. IEEE Transactions on Robotics and IEEE Transactions on Automation Science and Engineering publish advances in theory and experiment that underpin the science of robotics and automation. The Magazine complements these publications and seeks to present new scientific results to the practicing engineer through a focus on working systems and emphasizing creative solutions to real-world problems and highlighting implementation details. The Magazine publishes regular technical articles that undergo a peer review process overseen by the Magazine's associate editors; special issues on important and emerging topics in which all articles are fully reviewed but managed by guest editors; tutorial articles written by leading experts in their field; and regular columns on topics including education, industry news, IEEE RAS news, technical and regional activity and a calendar of events.

IEEE Transactions on Affective Computing


The IEEE Transactions on Affective Computing is a cross-disciplinary and international archive journal aimed at disseminating results of research on the design of systems that can recognize, interpret, and simulate human emotions and related affective phenomena. The journal publishes original research on the principles and theories explaining why and how affective factors condition interaction between humans and technology, on how affective sensing and simulation techniques can inform our understanding of human affective processes, and on the design, implementation and evaluation of systems that carefully consider affect among the factors that influence their usability. Surveys of existing work are considered for publication when they propose a new viewpoint on the history and the perspective on this domain. The journal covers but is not limited to the following topics:

- Sensing & analysis: Algorithms and features for the recognition of affective state from face and body gestures
- Computational models of human emotion processes (e.g., decision-making models that account for the influence of emotion; predictive models of user emotional state)
- Methods of emotional profiling and adaptation in mid- to long-term interaction

PlosOne

http://journals.plos.org/plosone/s/journal-information

The world’s first multidisciplinary Open Access journal, PLOS ONE accepts scientifically rigorous research, regardless of novelty. PLOS ONE’s broad scope provides a platform to publish primary research, including interdisciplinary and replication studies as well as negative results. The journal’s publication criteria are based on high ethical standards and the rigor of the methodology and conclusions reported.

Automatica

http://www.journals.elsevier.com/automatica/

Automatica is a leading archival publication in the field of systems and control. The field encompasses today a broad set of areas and topics, and is thriving not only within itself but also in terms of its impact on other fields, such as communications, computers, biology, energy and economics. Since its inception in 1963, Automatica has kept abreast with the evolution of the field over the years, and has emerged as a leading publication driving the trends in the field. After being founded in 1963, Automatica became a journal of the International Federation of Automatic Control (IFAC) in 1969. It features a characteristic blend of theoretical and applied papers of archival, lasting value, reporting cutting edge research results by authors across the globe. It features articles in distinct categories, including regular, brief and survey papers, technical communiqués, correspondence items, as well as reviews on published books of interest to the readership. It occasionally publishes special issues on emerging new topics or established mature topics of interest to a broad audience.

IEEE Transactions on Control Systems Technology


The IEEE Transactions on Control Systems Technology publishes high quality technical papers on technological advances in control engineering. The word technology is from the Greek technologia. The modern meaning is a scientific method to achieve a practical purpose. Control Systems Technology includes all aspects of control engineering needed to implement practical control systems, from analysis and design, through simulation and hardware. A primary purpose of the IEEE Transactions on Control Systems Technology is to have an archival publication which will bridge the gap between theory and practice. Papers are published in the IEEE Transactions on Control System Technology which disclose significant new knowledge, exploratory developments, or practical applications in all aspects of technology needed to implement control systems, from analysis and design through simulation, and hardware.
**IEEE Transactions on Automatic Control**


In the IEEE Transactions on Automatic Control, the IEEE Control Systems Society publishes high-quality papers on the theory, design, and applications of control engineering. Two types of contributions are regularly considered:

1) Papers: Presentation of significant research, development, or application of control concepts.
2) Technical Notes and Correspondence: Brief technical notes, comments on published areas or established control topics, corrections to papers and notes published in the Transactions.

In addition, special papers (tutorials, surveys, and perspectives on the theory and applications of control systems topics) are solicited.

**IEEE Control Systems Magazine**


IEEE Control Systems Magazine is the official means of communication for the IEEE Control Systems Society. IEEE Control Systems Magazine publishes interesting, useful, and informative material on all aspects of control system technology for the benefit of control educators, practitioners, and researchers. With this mission statement in mind, IEEE Control Systems Magazine encourages submissions, both feature articles and columns, on all aspects of control system technology.

**Elsevier Journal - Artificial Intelligence**

http://www.journals.elsevier.com/artificial-intelligence/

Artificial Intelligence, which commenced publication in 1970, is now the generally accepted premier international forum for the publication of results of current research in this field. The journal welcomes foundational and applied papers describing mature work involving computational accounts of aspects of intelligence. Specifically, it welcomes papers on:

- Artificial Intelligence and Philosophy
- Automated reasoning and inference
- Case-based reasoning
- Cognitive aspects of AI

Several areas of examination within the RAMCIP project are in harmonization with the scope of the journal.

**Springer Journal – Universal Access in the Information Society (UAIS)**

http://www.springer.com/computer/hci/journal/10209

Universal Access in the Information Society (UAIS) is an international, interdisciplinary refereed journal that solicits original research contributions addressing the accessibility, usability, and, ultimately, acceptability of Information Society Technologies by anyone, anywhere, at anytime, and through any media and device. Universal access refers to the conscious and systematic effort to proactively apply principles, methods and tools of universal design order to develop Information Society Technologies that are accessible and usable by all citizens, including the very young and the elderly and people with different types of disabilities, thus avoiding the need for a posteriori adaptations or specialized design. The journal’s unique focus is on theoretical, methodological, and empirical research, of both technological and non-technological nature, that addresses equitable access and active participation of potentially all citizens in the information society.

Contributions are solicited in, but not limited to, the following topics:

- Accessibility guidelines
- Accessible games
- Adaptable and adaptive interfaces
- Alternative and augmented Input /Output techniques
- Applications of assistive technologies in the mainstream
- Architectures, development methods and tools for universal access
- Assistive applications and environments
- Context awareness
- Design good practice for Universal Access
- Design for All and accessibility education and training
- Design methods, techniques and tools for Universal Access
- Design theory and design support tools
- Economics of universal access
- Evaluation of Accessibility, Usability, and User Experience
- Human activity modeling and support
- Infrastructures and protocols supporting universal access
- Modality independent and multimodal interaction
- Multilingual and multicultural issues
- Novel designs for the very young, the elderly, and people with different types of disabilities
- Novel interaction techniques, platforms, metaphors and devices
- Participatory design approaches involving diverse target user groups
- Personalization techniques and personalized products and services
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<tr>
<td>Policy measures, legislation, standardization and certification</td>
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<td>Security and privacy issues in sensor-augmented environments</td>
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<td>Smart artifacts and smart environments</td>
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<td>Social and psychological issues</td>
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<td>Tangible and Implicit Interaction</td>
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<td>Technology assessment and impact of ICT on Universal Access</td>
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<tr>
<td>Universal Access to Ambient Intelligence and Augmented Environments</td>
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<td>Universal Access to mobile interaction</td>
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<td>Universal Access to online communities and eServices</td>
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<td>Universal Access to the Web</td>
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<tr>
<td>User and context modeling and monitoring</td>
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<td>User requirements elicitation and analysis for diverse target user groups</td>
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## Relevant Conferences

<table>
<thead>
<tr>
<th>Conference</th>
<th>Full name</th>
<th>Dates</th>
<th>Place</th>
<th>Deadlines</th>
<th>Website</th>
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<tbody>
<tr>
<td>ICCV 2016</td>
<td>18th International Conference on Connected Vehicles</td>
<td>12-13/1/2016</td>
<td>Zurich, Switzerland</td>
<td>Submission: 12/07/2015</td>
<td><a href="https://www.waset.org/conference/2016/01/zurich/ICCV">https://www.waset.org/conference/2016/01/zurich/ICCV</a></td>
</tr>
<tr>
<td>Event</td>
<td>Description</td>
<td>Dates</td>
<td>Location</td>
<td>Date</td>
<td>URL</td>
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<tr>
<td>Conference</td>
<td>Event Description</td>
<td>Dates</td>
<td>Location</td>
<td>Submission/Full-length Paper</td>
<td>Website</td>
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## Annex II: Related Projects, Initiatives and Associations

The tables below provide a non-exhaustive list of relevant projects, initiatives and Associations that are of potential interest for RAMCIP to establish liaison with during the course of the project.

### Relevant EU & International Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
<th>Notes</th>
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<tbody>
<tr>
<td><strong>ECHORD++</strong> European Clearing House for Open Robotics Development Plus Plus</td>
<td>Defining the future direction of robotics research has revealed to be the real challenge. ECHORD was established in order to promote innovation by facilitating the cooperation between academia and industry. ECHORD++ will further stimulate this interaction between robot manufacturers, researchers and users. This goal will be achieved by implementing three different instruments: the Experiments, Public end-user Driven Technological Innovation (PDTI) and the Robotics Innovation Facilities (RIF). ECHORD++ aims at creating new knowledge through advancing the state of the art and by developing novel technology from which new products may be derived. The intent is to act as a pioneer in new ways of community building for robotics and market creation.</td>
<td>SHADOW (participant in ECHORD++ experiment). Technology transfer. Cross-project presentations (internal meetings and/or workshops). Participation in parallel actions. Possible use of E++ RIF as demonstrator facility.</td>
</tr>
<tr>
<td><strong>MOBOT</strong> Intelligent Active Mobility Assistance RoBOT integrating Multimodal Sensory Processing, Proactive Autonomy and Adaptive Interaction</td>
<td>Mobility disabilities are prevalent in our ageing society and impede activities important for the independent living of elderly people and their quality of life. The MOBOT project aims at supporting mobility and thus enforcing fitness and vitality by developing intelligent active mobility assistance robots for indoor environments that provide user-centred, context-adaptive and natural support. Our driving concept envisions cognitive robotic assistants that act (a) proactively by realizing an autonomous and context-specific monitoring of human activities and by subsequently reasoning on meaningful user behavioural patterns, as well as (b) adaptively and interactively, by analysing multi-sensory and physiological signals related to gait and postural stability, and by performing adaptive compliance control for optimal physical support and active fall prevention. Towards these targets, a multimodal action recognition system will be developed to monitor, analyse and predict user actions with a high level of accuracy and detail. The main thrust of our approach will be the enhancement of computer vision techniques with modalities such as range sensor images, haptic information as well as command-level speech and gesture recognition. Data-driven multimodal human behaviour analysis will be conducted and behavioural patterns of elderly people will be extracted. Findings will be imported into a multimodal human-robot communication system, involving both verbal and nonverbal communication and will be conceptually and systemically synthesised into mobility assistance models taking into consideration safety critical requirements. All these modules will be incorporated in a behaviour-based and context-aware robot control framework aiming at providing situation-adapted optimal assistance to users. Direct involvement of end-user groups will ensure that actual user needs are addressed by the prototype platforms. Finally, user trials will be conducted to evaluate and benchmark the overall system and to demonstrate the vital role of MOBOT technologies for Europe's service robotics..</td>
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<tr>
<td>Deliverable D9.6</td>
<td>Dissemination Level (PU)</td>
<td>643433–RAMCIP</td>
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- Mobile service robots

### Suggested RAMCIP Partners leading liaison, means of liaison:
ACCREEA, TUM (common partners). Cross-project presentations (internal meetings and/or workshops). Participation in parallel actions.

**Next steps:** email introducing the RAMCIP project

### ReMeDi Remote Medical Diagnostician
http://www.remedi-project.eu
2013/11 to 2016/11

**Short Description:**
In the frame of the project ReMeDi a robot system is designed that features medical tele-examination of patients. Successful medical treatment depends on a timely and correct diagnosis, but the availability of doctors of various specializations is limited, especially in provincial hospitals or after regular working hours. Medical services performed remotely are emerging, yet current solutions are limited to merely teleconferencing and are insufficient. Use case scenarios targeted in ReMeDi feature a robot capable of performing a physical examination, i) palpation, i.e. pressing the patients stomach with the doctor’s hand and observing the stiffness of the internal organs and the patient’s feedback (discomfort, pain) as well as ii) ultrasonographic examination. Beside quality teleconferencing, ReMeDi features a mobile robot (placed in a hospital) equipped with a lightweight and inherently safe manipulator with an advanced sensorized head and/or ultrasonic probe; and the remote interface (placed at the doctor’s location) equipped with sophisticated force-feedback, active vision and locomotion capabilities. The system is incrementally built following a user-centered design approach, and its usability with respect to the patient and the examining doctor is extensively studied in real world scenarios of cardiac examination. ReMeDi will go beyond classical telepresence concepts: It will capture and process multi-sensory data (integrating visual, haptic, speech, patient’s emotions and physiological responses) into perception and reasoning capabilities making ReMeDi a diagnostic assistant offering context-dependent and proactive support for the doctor. Particular attention is devoted to safety aspects. The normative standards (both existing and in draft) and the results of ongoing research projects will be integrated in all the system development phases.

**Main Fields of interest:**
- Innovation in Robotics Technologies
- Telemanipulation
- Teleconferencing between multiply actors
- Robots locomotion

### IN-LIFE INdependent LIving support Functions for the Elderly
http://www.inlife-project.eu/
2015/02 to 2018/02

**Short Description:**
Existing flexible ICT solutions could assist elderly users with cognitive impairment in organising, carrying out and completing everyday tasks and constitute essential factors for continuing to be and feel independent. IN LIFE will offer all-around, personalised, multi-faceted existing ICT solutions and services addressing diverse daily activities (eating, physical activity, commuting, mental stimulation, communication, social interaction, etc.) to users with cognitive impairment living in their own home or in sheltered homes, as well as to their formal and informal carers.

**Main Fields of interest:**
- Evaluation of ICT solutions for assisting the elderly in daily activities
- Focus on users with cognitive impairment living in their own home or in sheltered homes

### WEARHAP Wearable Haptics for Humans and Robots
http://www.wearhap.eu/
2013-03 to 2017-02

- Suggested RAMCIP Partners leading liaison, means of liaison:
  CERTH (common partner). Cross-project presentations (internal meetings and/or workshops).

**Next steps:** email introducing the RAMCIP project
**Short Description:**
The complexity of the world around us is creating a demand for cognition-enabled interfaces that will simplify and enhance the way we interact with the environment. WEARHAP aims at laying the scientific and technological foundations for wearable haptics, a novel concept for the systematic exploration of haptics in advanced cognitive systems and robotics that will redefine the way humans will cooperate with robots. Wearable haptics will enable robots to observe humans during natural interaction with their shared environment. Applications cover robotics, health and social scenarios, stretching from human-robot interaction and cooperation for search and rescue, to human-human communication and interaction with virtual worlds through interactive games.

**Main Fields of interest:**
- Human-robot interaction
- Multisensory tracking and sensing

**Suggested RAMCIP Partners leading liaison, means of liaison:**
TUM, FORTH, SSSA (common partners). Cross-project presentations (internal meetings and/or workshops). Participation in parallel actions.

**Next steps:** email introducing the RAMCIP project

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**ACANTO**
http://www.ict-acanto.eu/
2015/02 to 2018/08

**Short Description:**
The key elements of ACANTO are a robotic friend (the FriWalk) that supports the user in the execution of daily activities that require physical exercise and an intelligent system that recommends activities that a senior user perceives as compelling and rewarding. The FriWalk takes the form of a standard walking assistant, but it is in fact an intelligent robot that is able to localise itself, to sense the surrounding environment, to plan a course of action that suits the user needs and to guide the user along safe routes. The FriWalk is also a personal trainer that can support the user in the execution of a training programme, monitor the motion of the user in search of muscular or gait problems and report them into the user profile (that can be inspected by doctors and physicians). The main goal is to spur older adults into a sustainable and regular level of physical exercise under the guidance and the supervision of their carers.

**Main Fields of interest:**
- Robotics-based system to support older adults in daily activities and physical exercise
- Fall prevention and post traumatic rehabilitation
- Human tracking

**Suggested RAMCIP Partners leading liaison, means of liaison:**
FORTH (common partner). Cross-project presentations (internal meetings and/or workshops). Participation in parallel actions.

**Next steps:** email introducing the RAMCIP project

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**I-SUPPORT ICT-Supported Bath Robots**
http://www.i-support-project.eu
2015/03 to 2018/03

**Short Description:**
The I-SUPPORT project envisions the development and integration of an innovative, modular, ICT-supported service robotics system that supports and enhances older adults’ motion and force abilities and assists them in successfully, safely and independently completing the entire sequence of bathing tasks, such as properly washing their back, their upper parts, their lower limbs, their buttocks and groin, and to effectively use the towel for drying purposes. Advanced modules of cognition, sensing, context awareness and actuation will be developed and seamlessly integrated into the service robotics system to enable the robotic bathing system to adapt to the frail elderly population’s capabilities and the frail elderly to interact in a master-slave mode, thus, performing bathing activities in an intuitive and safe way.

**Main Fields of interest:**
- Elderly support in daily activities related to bathing tasks
- Human-robot interaction, cognition, sensing
- Adaptation to the user’s behaviour and abilities

**Suggested RAMCIP Partners leading liaison, means of liaison:**
CERTH. Participation in parallel actions. Cross-project presentations.

**Next steps:** Liaison established, CERTH investigates the possibility for joint participation in future event.

**ENRICHME – Enabling Robot and assisted living environment for Independent Care and Health Monitoring of the Elderly Energy Efficiency and Risk Management in Public Buildings**  
http://www.enrichme.eu/  
2015/03 to 2018/03

**Short Description:**  
Focus on mild cognitive impairments of older people. Interactive mobile robot in an assisted living environment for the provision of advanced user services, integrated within a domestic RFID ecosystem. Ambient, social and robot intelligence.

**Main Fields of interest:**  
- Service Robot for AAL environment  
- Multi sensorial Network in smart home environment

**Suggested RAMCIP Partners leading liaison, means of liaison:**  
SSSA, FORTH, SSSA. Cross-project presentations (internal meetings and/or workshops). Participation in parallel actions.  
**Next steps:** email introducing the RAMCIP project

**RADIO, Robots in assisted living environments: Unobtrusive, efficient, reliable and modular solutions for independent ageing**  
http://www.radio-project.eu  
2015/04 to 2018/04

**Short Description:**  
Integrated smart home/assistant robot system. A system where sensing equipment is not discrete but an obvious and accepted part of the user's daily life. It gains acceptance and familiarity by not presenting itself as an omnipotent helper but rather as a pet that depends on the user more than the user depends on it.

**Main Fields of interest:**  
- Acceptance and unobtrusiveness  
- Robot sensing  
- Assessment of elderly daily functioning

**Suggested RAMCIP Partners leading liaison, means of liaison:**  
CERTH. Cross-project presentations. Participation in parallel actions.  
**Next steps:** Liaison established, joint support of workshop in ICT 2016 conference established, further joint actions will be investigated in the third project year

**LTCR-CHIRON, UK national project exploring use of modular robotics to transform approaches to aging**  
2016/02 to 2018/02

**Short Description:**  
Common goals of using robotics technologies to assist elder care with parallel timescales and non-overlapping competencies. RAMCIP software modules will be of use to CHIRON project, and RAMCIP hardware platform should be able to work with CHIRON control system.

**Main Fields of interest:**  
- Using robotics technologies to assist elder care

**Suggested RAMCIP Partners leading liaison, means of liaison:**  
SHADOW (common partner). Evaluate mutual benefit from collaborative work and technology transfer and build formal and informal links. Host common workshop.  
**Next steps:** introduction of RAMCIP to the project
## Non-exhaustive List of related Initiatives and Associations

<table>
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<tr>
<th>Initiative</th>
<th>Website</th>
<th>Description</th>
<th>Suggested partners leading Liaison and Scope</th>
<th>Next steps</th>
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<tbody>
<tr>
<td>Alzheimer Europe</td>
<td><a href="http://www.alzheimer-europe.org/">http://www.alzheimer-europe.org/</a></td>
<td>Alzheimer Europe is a major non-governmental organisation aimed at raising awareness of all forms of dementia by creating a common European platform through co-ordination and co-operation between Alzheimer organisations throughout Europe. Alzheimer Europe is also a source of information on all aspects of dementia.</td>
<td><strong>Suggested partners leading Liaison and Scope:</strong> ACE. Dissemination of project objectives and results</td>
<td><strong>Next steps:</strong> Participation in further Alzheimer Europe congress/seminars/events applicable</td>
</tr>
<tr>
<td>Spanish Neurological Society</td>
<td><a href="http://www.sen.es/">http://www.sen.es/</a></td>
<td>The Spanish Neurological Society is a private, non-profit organization aimed to promote collaboration between neurologists in order to improve the promotion, development, study and scientific and practical knowledge of neurology in Spain.</td>
<td><strong>Suggested partners leading Liaison and Scope:</strong> ACE. Dissemination of project objectives and results.</td>
<td><strong>Next steps:</strong> Participation in further SEN congress/seminars/events applicable</td>
</tr>
<tr>
<td>Alzheimer Catalunya</td>
<td><a href="http://www.alzheimercatalunya.org/">http://www.alzheimercatalunya.org/</a></td>
<td>Alzheimer Catalunya is an organization formed by professionals in order to inform, advice and assist patients affected by dementia, their families and professionals, helping them to cope with an unmanaged change and new situations that involves the evolution of the disease.</td>
<td><strong>Suggested partners leading Liaison and Scope:</strong> ACE. Dissemination of project objectives and results.</td>
<td><strong>Next steps:</strong> Official presentation of the RAMCIP project</td>
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<tr>
<td>EuRobotics aisbl</td>
<td><a href="http://www.eu-robotics.net/">http://www.eu-robotics.net/</a></td>
<td>euRobotics AISBL (Association Internationale Sans But Lucratif) is a Brussels based international non-profit association for all stakeholders in European robotics. euRobotics aims to promote excellence in robotics by providing many networking opportunities to its members from both industry and academia, to exchange knowledge within the robotics community and to shape the future of robotics in Europe through cooperation between all sides.</td>
<td><strong>Suggested partners leading Liaison and Scope:</strong> SHADOW. General, for disseminating project aims and results. Presentation and feedback sessions at the EURobotics Forum</td>
<td><strong>Next steps:</strong> Relevant partners to attend Topic Groups meeting on Healthcare, prepare presentations for ERF</td>
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<td>Responsible Research and Innovation in ICT (RRI-ICT) Forum</td>
<td><a href="http://rri-ict.eu/">http://rri-ict.eu/</a></td>
<td>The RRI-ICT Forum project aims at analysing, supporting and promoting the contribution of Social Sciences and Humanities (SSH) to, and the Responsible Research and Innovation (RRI) approach in ICT research and innovation under H2020.</td>
<td><strong>Suggested partners leading Liaison and Scope:</strong> ACE. Facilitate the elaboration of the project’s societal dimension, that requires a proper attention to SSH (social sciences and humanities) expertise and RRI (responsible research and innovation) actions, such as public engagement, gender equality, and ethical issues.</td>
<td><strong>Next steps:</strong> Participation in further RRI-ICT events applicable</td>
</tr>
<tr>
<td>Future Challenges: Designing ICT Prizes for Europe</td>
<td><a href="http://www.nesta.org.uk/project/future-challenges-designing-ict-prizes-europe">http://www.nesta.org.uk/project/future-challenges-designing-ict-prizes-europe</a></td>
<td>The Centre for Challenge Prizes at Nesta is leading a consortium of partners to tap into European networks of expertise to create blueprints for a set of 8 - 12 prizes in ICT. Kicking off in January 2015, this 14 month project combines analysis of the market amenabilities for each prize with desk research into cutting edge technologies, expert interviews and a series of workshops to validate research findings. Leading on the research strand of the work program is Scuola Superiore Sant’Anna – a university research institute based in Pisa, Italy. Prize designs will be tested with domain experts by Science Practice, a London-based research design studio. The global public relations, communications and public affairs company, Burson-Marsteller, will draw on their EU ICT knowledge to draft communications strategies to accompany each prize. Prize designs and communications plans will be submitted to DG Connect, at which point the European Commission will decide whether they will be launched as Horizon Prizes between now and 2020.</td>
<td><strong>Suggested partners leading Liaison and Scope:</strong> SSSA (Common partner), SHADOW, ACE. Knowledge exchange and participation in the prize-design process related to “Robotics for assisted living”</td>
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</tbody>
</table>
**Next steps:** Participation in further Future Challenges workshops/events applicable

**HAIVISIO**

http://haivisio.eu/

HAIVISIO is an ambitious Coordination and Support Action project aimed at enhancing visibility and awareness of the results generated by eHealth, Active Ageing and Independent Living projects, supporting community building around these results, through a series of communication and synergy exploitation activities. The project invites relevant projects to engage in a collective and synergetic way, identifying best-practices, involving the most active partners and stakeholders and disseminating widely the added value and assets generated from each of these projects.

**Suggested partners leading Liaison and Scope:** CERTH. Enhance the effectiveness of the project’s dissemination activities

**Next steps:** Participation in further HAIVISIO seminars/events applicable

**EU Ambient Assisted Living Association**

http://www.aal-europe.eu/

The AAL Programme is the funding activity that aims to create better condition of life for the older adults and to strengthen the industrial opportunities in Europe through the use of information and communication technology (ICT). It carries out its mandate through the funding of across-national projects (at least three countries involved) that involves small and medium enterprises (SME); research bodies and user’s organizations (representing the older adults).

**Suggested partners leading Liaison and Scope:** SHADOW. Monitor AAL projects, communicate project outcomes and enhance the effectiveness of the project’s dissemination activities

**Next steps:** SHADOW to meet with relevant national contact points

**Assisted Living Innovation Platform (ALIP)**

https://connect.innovateuk.org/web/assisted-living-innovation-platform-alip/

The Assisted Living Innovation Platform is delivering a wide ranging programme to enable the ageing population and those with long-term health conditions to live with greater independence. The Technology Strategy Board is working with the Department of Health (DoH), primary care trusts, research councils, local authorities, academia, industry and third-sector organisations to develop technologies and services that will enable individuals to receive support at home. The Technology Strategy Board launched the Assisted Living Innovation Platform (ALIP) in November 2007, with additional funding from the DoH’s National Institute for Health Research, the Engineering and Physical Science Research Council, and the Economic and Social Research Council. We are investing jointly with these organisations and industry to address the challenge of assisted living.

**Suggested partners leading Liaison and Scope:** SHADOW. Communicate project outcomes and enhance the effectiveness of the project’s dissemination activities

**Next steps:** SHADOW to meet with relevant national contact points

**Eurocarers Association**

http://www.eurocarers.org/

EUROCARERS is the European network representing informal carers and their organisations, irrespective of the particular age or health need of the person they are caring for. The aim is to advance the issue of informal care at both national and EU levels by: Raising awareness of the significant contribution made by carers to health and social care systems and the economy as a whole, and of the need to safeguard this contribution; Ensuring that EU and national policies take account of carers, i.e. promote social inclusion of carers, the development of support services for carers, enable them to remain active in paid employment and maintain a social life. Among our principal aims, we seek to contribute to evidence-based policy development at European and national level by: Acting as a voice for informal carers and issues relevant to carers; Translating relevant EU policy developments to members operating at national and regional level; Coordinating the exchange, gathering and dissemination of experience, expertise and good practice, as well as innovations.

**Suggested partners leading Liaison and Scope:** LUM, ACE. Communicate project objectives and outcomes and enhance the effectiveness of the project’s dissemination activities

**Next steps:** Official presentation of the RAMCIP project

**European Confederation of Care Homes Associations (E.C.H.O.)**

http://www.echo-eu.com

The European Confederation of Care Home Organisations (E.C.H.O.), whose Central Office is located in Brussels, pursues mainly the following objectives: fair and reasonable terms among care providers in long term care sector; high quality standards throughout Europe and a simultaneous reduction in bureaucracy; recognition of elderly care sector as a productive economy factor. ECHO members provide residential care for independent and dependent elderly in care and nursing homes, day centres, services flats, dementia and rehabilitation centres, domiciliary care and telemedicine. ECHO is composed of the national federations of Bulgaria, Belgium, England, Finland, France, Germany, December 2015 81 CERTH
Greece, Italy, Portugal, Poland, Netherlands and is still growing. Its members take care now of more than 1,5 million elderly and employ 1,1 million staff people.

**Suggested partners leading Liaison and Scope:** ACE. Communicate project objectives and outcomes and enhance the effectiveness of the project’s dissemination activities

**Next steps:** Official presentation of the RAMCIP project

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**Long Term Care Revolution (LTCR)**


The Long Term Care Revolution is run by Innovate UK, the UK's innovation agency. Innovate UK is a public body operating at arm's length from the Government, reporting to the Department for Business, Innovation and Skills (BIS). Its goal is to accelerate economic growth by stimulating and supporting business-led innovation. The Long Term Care Revolution is just one of these programmes within the remit of Innovate UK’s Assisted Living Innovation Platform (ALIP). ALIP is focused on delivering a wide ranging programme to enable the ageing population and those with long-term health conditions to live with greater independence. This SBRI competition aims to stimulate the development of innovative new products, services and systems that disrupt the institutional long-term care model, ensuring that UK businesses are well placed to take advantage of this growing market opportunity. The competition is open to organisations (large enterprises, SMEs, micro businesses, entrepreneurs, third sector, public and private sector) working together as a consortium through a single contracted project lead, to develop and deliver commercially viable products, services and systems.

**Suggested partners leading Liaison and Scope:** SHADOW. Work with LTCR to ensure mutual benefit between national and European work;

**Next steps:** SHADOW meet regularly with LTCR lead Jackie Marshall Balloch.
Annex III: Related Events

The table below presents a non-exhaustive list of key related events that are of potential interest to the RAMCIP project, toward portraying the project objectives and results to broader relative expert audiences, either through communication activities and presentations, or through presentation and feedback sessions.

<table>
<thead>
<tr>
<th>Event name</th>
<th>Full name</th>
<th>Dates</th>
<th>Place</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>CeBIT 2016</td>
<td>Center for Office Automation, Information Technology and Telecommunication</td>
<td>14-18/03/2016</td>
<td>Hannover, Germany</td>
<td><a href="http://www.cebit.de/home">http://www.cebit.de/home</a></td>
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<tr>
<td>EU Group of Governmental Experts on Dementia</td>
<td>Meeting of the Group of Governmental Experts on Dementia</td>
<td>09-10/05/2016</td>
<td>Amsterdam, The Netherlands</td>
<td><a href="http://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetail&amp;groupID=2984">http://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetail&amp;groupID=2984</a></td>
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<tr>
<td>AUTOMATICA 2016</td>
<td>7th International Trade Fair for Automation and Mechatronics</td>
<td>21-24/06/2016</td>
<td>Messe, Munich</td>
<td><a href="http://www.automatica-munich.com">http://www.automatica-munich.com</a></td>
</tr>
<tr>
<td>CeBIT 2017</td>
<td>Center for Office Automation, Information Technology and Telecommunication</td>
<td>20-24/03/2017</td>
<td>Hannover, Germany</td>
<td><a href="http://www.cebit.de/home">http://www.cebit.de/home</a></td>
</tr>
<tr>
<td>Event</td>
<td>Description</td>
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<td>Location</td>
<td>Website</td>
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<tr>
<td>ICT event 2017</td>
<td>ICT event of the European Commission; ICT 2017 Innovate, Connect, Transform</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
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