

Perform Project

A sophisticated multiparametric system for the continuous effective assessment and Monitoring of motor status in parkinson's disease and other neurodegenerative diseases.

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PERFORM PROJECT

Welcome to the 6th issue of the Perform Newsletter! This newsletter aims to provide the latest information on the Perform project and disseminate knowledge on related issues.

The Perform newsletter is issued periodically to inform you about the latest news in our project. In this 6th issue of the newsletter you will be updated on the progress of activities within the framework of the project, and, as usual, information on the latest developments in dissemination. We hope you will find this information useful and please feel free to make suggestions on what you would like to see in future releases at: perform@talanton.info



The Perform Project partners are:

Universidad Politecnica de Madrid

MEDTRONIC IBERICA, S.A.

ANCO S.A.

POLITECHNIKA GDANSKA

LOGICOM LTD

THE UNIVERSITY OF WESTMINSTER

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Centro de Estudios e Investigaciones Técnicas de Gipuzkoa

Kingston Computer Consultancy Limited

Azienda Unita' Sanitaria Di Modena (Neuromo)



System integration, testing and evaluation

A two server system of an LBU server to host remote LBU components and a CHU to host and assemble the CHU components was designed for the initial deployment, testing and validation of the Integration Server.

This would simulate the final patient and hospital deployment of the PERFORM system and identify any modifications and security concerns that would be needed to be addressed before live deployment.

A robust and secure infrastructure was implemented to ensure high available of both servers and the safety and confidentiality of the patients' data.

The Integration Server was also designed as an assistance to the Exploitation strategy as a way to demonstrate the PERFORM system to potential customers.



Dissemination and Exploitation Activities

The dissemination activities within the project have served two purposes at the same time.

In the first hand, they have allowed the project to create awareness on the relevance of the systems for movement disorder monitoring for the management of patients with Parkinson and as a tool for diagnosis for professionals, playing an important role in the increase of the quality of care of these patients.

In the other hand, the consultations carried out to different professionals of the sector, this is, medical doctors, industrial stakeholders and patients, have provided a very valuable feedback for the project for the re-design of the solutions and the drafting of the possible business and use models that can be applied in the near future.

WP2 has been working for this in the inclusion of a reference to the PERFORM project as a system useful for the monitoring of patients pre and post surgical intervention in a chapter of a book called "History of the Neurosurgery in Spain". This is a very important action because it has allowed the project to reach a group of key opinion leaders in charge of organizing and editing the book and will be a vehicle to reach the movement disorder specialist community as soon as the book is published and distributed in this sector.

WP2 has also redesigned the strategy to address the cost-benefit analysis of the solutions provided by PERFORM adjusting the methodology and the analysis carried out to the products that will be used in the phase IV of the trials. This will give the opportunity to extract valuable socio-economic information from a set of questionnaires completed by all users (patients and health professionals) during the pilots with the aim to define the requirements that the system must fulfill to be integrated efficiently in the processes of Parkinson care and to apply a feasible business model for its exploitation.



Mobile systems as a challenge for neurological diseases management | 25th November 2010 - Madrid, Spain

1st Workshop, 25th November 2010, Madrid, Spain

The event was held at The Telecommunication Engineering School (ETSIT) of the Universidad Politécnica de Madrid.

This workshop represented a unique opportunity for different stakeholders, allowing them to share perspectives and experiences about neurodegenerative diseases, with especial emphasis on Parkinson disease, from the technical, medical and industry point of view.

The programme of the event covered all aspects by top professionals and experts.

More information on this workshop available here:

<http://perform-workshop.1st.tfo.upm.es/en/index.html>





New and updated website

Project's website has been revisited and updated providing more information and functionality to visitors.

WWW.PERFORM-PROJECT.EU



The screenshot shows the IPerform project website. At the top is the IPerform logo and navigation links: Project Overview, Funding, Results, Awards, Events, Perform Workshops, Consortium, and Contact. The main banner features the text "Close-loop Parkinson's disease management" and a diagram illustrating the project's workflow: Monitor Patient → Detect & Quantify Symptoms & Gait → Build Patient-Specific disease profile → Assess Disease Progress → Suggest Treatment Changes → Monitor Patient. Below the banner, the "Project Overview" section is visible, starting with the text: "The PERFORM project aims to tackle problems associated with the efficient remote health status monitoring, the qualitative and quantitative assessment and the treatment personalisation for people suffering from neurodegenerative diseases and movement disorders, such as Parkinson's disease (PD)."



Dissemination

The Consortium is keeping up well on dissemination activities and had presence in many events as shown below. For further information on events, conferences articles and publications and a full list please visit the project's website.

32nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS 2010 Buenos Aires (Argentina)
<http://embs2010.embs.org>

7th International Conference on Wearable Micro and Nano Technologies for Personalised Health Phealth 2010 Berlin (Germany)
<http://www.phealth2010.com/July>

14th Biennial Conference International Society for Augmentative and Alternative Communication ISAAC 2010 Barcelona (Spain)
<http://www.isaac2010.org>

ICT Conference 2010. Euralinet Workshop Brussels (Belgium)
http://ec.europa.eu/information_society/events/cf/ict2010/stream-calendar.cfm?id=49

Conferencia Internacional de Envejecimiento Sostenible Granda (Spain)
<http://www.ictelderly.org/>

First International Joint Conference on Ambient Intelligence Aml 2010 Malaga (Spain)
<http://www.ami-10.org>

eVia Platform Annual Plenary Meeting Madrid (Spain)
<http://www.idi.aetic.es/eVIA/VerEvento.aspx?id=1778&idContenidos=1779&idEvento=622>