XERIC
INNOVATIVE CLIMATE-CONTROL SYSTEM TO EXTEND RANGE OF ELECTRIC VEHICLES AND IMPROVE COMFORT

European Research & Innovation Project
Innovative climate-control system to extend range of electric vehicles and improve comfort

Interview with Vanessa GUTIERREZ ARAGONES

Coordinator of JOSPEL
Compounding Researcher at AIMPLAS, Spain

Eng. Vanessa GUTIERREZ A.

is a compounding Researcher at AIMPLAS, the Plastic Technology Center located in Spain. Coordinator of the JOSPEL project, she is studying and obtaining highly conductive compounds for the production of Joule heating prototypes.

"Highly efficient devices developed in the frame of JOSPEL can be use together with the membrane technology developed in the XERIC project, to further increase the climate control, maintaining an overall low power consumption."

Can you please tell us a little bit about yourself?

I come from Caracas, Venezuela and I've studied Material Engineering in University Simon Bolivar. I came to Spain 8 years ago and have been working in AIMPLAS since 2011.

What about JOSPEL? Can you remind us the main objectives of the project?

Our main objective in the frame of JOSPEL is the reduction of at least 50% of energy used for passenger comfort (<1,250 W) and at least 30% for component cooling in extreme conditions with reference to electric vehicles currently on the market.

When EMH, as a partner of XERIC, contacted you in August 2015 to initiate clustering activities with the OPTEMUS project as well, what convinced you to answer positively?

It was a great opportunity to bring the results to the OEMS by joining forces. The project officer suggested in the kick-off meeting to perform cluster activities with the other funded projects of the same topic. We found these activities interesting from the very first moment.

After 3 years of parallel work, what do you remember the most from this cluster approach between XERIC, OPTEMUS and JOSPEL?

Bologna workshop was very interesting ! And the dissemination activities through the two

Date of interview: April 2018
Publication: May 2018 - 1/2

other XERIC workshops were very successful due to the high number of attendees.

From your perspective, what is the outlook for the climate control technology developed in the frame of XERIC?

The latest XERIC results were presented in Genoa and we are willing for a next workshop - such as the one we are organizing in the frame of JOSPEL by the end of 2018 - to see final advances. The technology developed in the XERIC project looks very promising to reduce energy consumption in electric cars as well as in other types of vehicles (e.g. for maritim and aeronautical sectors).

How do you link it with the technologies developed in the frame of OPTEMUS?

In the JOSPEL project, the climate control systems developed are oriented to highly efficient devices such as Joule and Peltier technologies. These devices can be use together with the membrane technology developed in the XERIC Project, to further increase the climate control, maintaining an overall low power consumption.

" The technology developed in the XERIC project looks very promising to reduce energy consumption in electric cars as well as in other types of vehicles (e.g. for maritime and aeronautical sectors)."

OPTEMUS, JOSPEL and XERIC successfully applied to the European Commission's Common Dissemination Booster Service, which will start at the beginning of June. What are you expecting from that joint action in particular?

The main expectation is to inform the OEMs and main automotive developers about the possibilities to produce low energy consumptions devices in order to increase the efficiency of electric (or conventional) vehicles. Through these actions we hope to exploit the results obtained so that they reach the market.

More generally, does-it seem valuable to you to pursue clustering activities with partners from XERIC and OPTEMUS projects?

Yes! Workshops have been the main activity performed together. High number of attendees and their positive feedbacks will be our main objectives.

Thanks for your time,
and long live our collaboration!

AIMPLAS, partner of JOSPEL

is a technology center specialized in the development and improvement of plastic products for multiple sectors, from raw materials to end of life.

AIMPLAS is coordinating the JOSPEL project and is in charge of obtaining highly conductive thermoplastic materials to be use in the fabrication of heating panels. https://www.aimplas.net/

XERIC in brief

XERIC is a European Research & Innovation Project
Start date: 1st June 2015
End date: 31st May 2018

Number of partners: 8

Coordinator: Dr. Eng. S. GAETA
GVS spa - Italy

Programme: H2020-GV-2014
Project Reference: 653605

www.xeric.eu

Publication: May 2018 - 2/2