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Disseminating COROMA

“COROMA project’s partners continue with communication and dissemination activities to different industrial sectors in the last period”



2019 must confirm the work of project partners on the final demonstrations in September. COROMA integration phase has taken a bit longer than initially planned, in order to erase every technical burr that can spoil the merging of the final systems, but Padova was the first town to witness a meeting with the “Demonstration” work-package on the agenda.

Contact:

Javier Hernandez (Project Coordinator), jhernandez@ideko.es
Tel: +34 943748000



[COROMA developments were disseminated at the European Robotics Forum 2019](#)

The tenth edition of the European Robotics Forum took place in Bucharest, Romania, from March 20 to 22. With such an excellent opportunity to disseminate COROMA project results, within this context, two partners presented our work in research and technological innovation in robotics in the “6th Workshop on Hybrid Production Systems” inside the forum. The workshop developed as a cluster activity, with other representatives that will present European projects running in parallel with COROMA.

[COROMA partners exchange practical applications results on advanced robot processes](#)

With less than 6 months left for the end of the project, the last General Meeting of COROMA was held in the premises of Stäubli, our partner specialised in manufacturing robots. No doubt it is an anticipated meeting, where all the partners will have the opportunity to visit the workshop where the robots used along the project were assembled and tested.

[COROMA at 17th CIRP Conference on Modeling of Machining Operations](#)

Our colleague Erdem Ozturk from The AMRC had the opportunity to present COROMA project at the 17th CIRP Conference on Modelling of Machining Operations in the topic of Robots in machining. During the Conference there were different on-machine demonstrations. In this scenario it was presented a smart weld grinding solution developed in COROMA's project which minimises the participation of human in robotic machining.

[COROMA participates on the workshop on the future of industrial robotics](#)

COROMA was chosen by the EU Commission to take part in the “Workshop on the Future of Industrial collaborative Robotics”. The event took place on the 1st of July 2019 in Brussels, in the Covent Garden Building. Our Scientific coordinator, Asier Barrios, from [IDEKO Research Center](#), had the opportunity to present the vision of COROMA to the participants. He was in charge of offering project partners inputs to the important challenges arising in the future of the Robotics.



17th CIRP Conference on Modelling of Machining Operations.

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COROMA INDUSTRIAL DEMO AT NANTES: HOW TO SAND A BOAT MOULD

With only 2 months remaining before project ending, COROMA had the opportunity to organise, in parallel with La Mer XXL fair, a Technology Day and industrial demo and dissemination event to show the progress of our technical developments, focusing on the applications on boat mould sanding. Not every single functionality is already in full operation, but an opportunity like that could not be missed...

On July 3, companies and general public taking part in the fair, including Airbus, could approach to the Manufacturing Lab for Advanced Production Technologies, to witness the practical demo and explanations of our partners: [Univ. of Nantes](#), [BA Systemes](#) and [Europe Technologies](#).

With a more than positive demo of our Naval use case, our next challenge is to fully show the functionalities implemented in Aerospace and Energy use cases.

Immersed in making the final demonstrators ready for complete operation, the next date marked on the calendar for COROMA consortium is directly the final meeting, that will take place on October 4th, in Brussels.



Robot sanding system control software



Autonomous moving platform, mould sanding automatic process



Contact:

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SUCCESSFUL DEMONSTRATIONS TO PROJECT OFFICER IN NANTES

On 4th of July, project officer Andrea Ceglia, could try out the COROMA solutions for the sanding industry first hand.

Project coordinator Dr. Javier Hernandez presented the latest results of the project and the partners from Univ. Nantes + Beneteau prepared an impressive demonstration of the COROMA robot in action in the workshop of the Univ. Nantes.

The agenda for July 4th was anything but boring: with an early start to visit [Beneteau](#) at Dompierre-sur-Yon, European Commission had the opportunity to share the morning with COROMA project coordination team and the Univ. of Nantes, as guests to see the complete process of boat manufacturing.

The commitment of Beneteau, including the good perception of its workers on the application of COROMA at the workshop, were evident along the visit.

After lunch, presentations followed at the Manufacturing Lab for Advanced Production Technologies: overview of the current state of the project, COROMA modules and the exploitation plans, and finally practical demonstrations at workshop level.

An autonomous moving platform, mould sanding automatic process, sanding tool automatic replacement, machining chatter monitoring, safety and sensing functionality were explained and shown in a row.

In-parallel some interviews to the partners taking part in the TechDay were recorded for the communication task.

The advisory work carried out at this meeting, scheduled between the official reviews with the European Commission, is important for the project to receive an expert opinion that focusses on practical application and exploitation of results.



Contact:

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Tel: +34 943748000



COROMA's engagement



34
MONTHS



33.312
VISITS



231
FOLLOWERS

Upcoming events



- September 24th - 26th, EUROPEAN RESEARCH AND INNOVATION DAYS, Brussels, Belgium
- October 4th, FINAL MEETING, Brussels, Belgium



Project consortium



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Tel: +34 943748000

