PRESS RELEASE

CONVERGING Social Media
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CONVERGING Project Launches Webinar Series on Advanced Robotics and Automation

The CONVERGING project, funded under Horizon Europe, is pleased to announce an upcoming series of expert webinars as part of its comprehensive service provisioning plan designed for the successful deployment of Open Pilot networks. These webinars aim to train operators, engineers, and industry professionals while introducing innovative technologies developed within the project to potential future stakeholders.

The CONVERGING webinar series represents a flexible and inclusive approach, offering insights into cutting-edge collaborative robotics, automation, and Non-Destructive Testing (NDT) techniques across various industrial sectors. Participants will have the opportunity to engage directly with experts, enhancing their skills and understanding of these state-of-the-art technologies.

Scheduled Webinars:

Automotive – Automated Polishing with Collaborative Robots
Date: 3rd April 2025

Presented by TECNALIA, this webinar introduces the fundamentals of automated polishing using collaborative robots (cobots), designed to enable non-experts to easily achieve advanced robotic surface finishing. Key topics include intuitive programming, adaptive control, real-world applications, and integration with mobile robotics solutions for enhanced flexibility.

Co-funded by the European Union

CONVERGING project is co-funded by the European Union, Research & Innovation Programme, under Grant N° 101058521.

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Unlocking Industry 4.0: Mastering Asset Administration Shell Modelling
Date: 21st May 2025

Dive into the core of digital transformation with Emilio Costa, AIMEN researcher in Factory Automation, who will guide you through the fundamentals of Asset Administration Shell (AAS), its structure, and submodel definition. Learn about its practical applications and the key role of IDTA in its development. Bring your questions—our experts are ready to help!

Upcoming Sessions:

White Goods – Advanced Electrical Assembly with Robotics
Hosted by IPK, participants will explore state-of-the-art robotic electrical assembly solutions, including sensors, vision systems, and path planning methods. This session will provide insights into automation readiness, helping attendees identify suitable automation opportunities and technologies for their operations.

Aeronautics – Robotized Non-Destructive Testing (NDT) and Inspection in Confined Spaces
Organized by LMS, these webinars will cover automated robotic NDT for aircraft components, emphasizing precision, safety, and Digital Twin integration. Another session will discuss innovative robotic solutions for inspecting and maintaining aircraft fuel tanks, addressing automation challenges in confined spaces and damage detection.

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This webinar series forms a critical element of CONVERGING's holistic strategy, aiming to ensure the effectiveness, sustainability, and future scalability of Open Pilot network deployments.

About CONVERGING:
CONVERGING is a Horizon Europe-funded initiative dedicated to advancing industrial automation through collaborative robotics and innovative digital technologies. By integrating cutting-edge solutions into practical applications, CONVERGING enhances productivity, safety, and operational efficiency across diverse industrial sectors.

LMS Laboratory for Manufacturing Systems & Automation · tecnalia MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE · Electrolux · IAI · COMAU · PILZ THE SPIRIT OF SAFETY

Fraunhofer IPK · aimen TECHNOLOGY CENTRE · Netcompany · Prima Additive · Ford

ITERA MOBILITY ENGINEERING · Teaching Factory · VISUAL COMPONENTS · KAWADA Robotics · Cranfield University

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