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JARVIS NESLETTER EDITION #1



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August 19, 2024

Welcome to the First Edition of the JARVIS Newsletter!

We are excited to introduce you to the world of JARVIS, a project funded by the Horizon Europe program since January 2024. Coordinated by the [Laboratory for Manufacturing Systems and Automation - LMS](#) in Greece, JARVIS is rapidly gaining momentum and making waves in the innovation sphere.

Our dynamic consortium consists of [16 partners](#) from across Europe, united in their mission to explore further Human-Robot Interaction through AI applications and thus, make significant scientific, economic and societal impacts.

In February 2024, we kicked-off the project with a consortium meeting hosted by [TOFAS](#) in Bursa, Türkiye. This site, one of our four key use-case locations, focuses on the automotive sector. Meeting our partners in person and touring TOFAS's facilities brought a whole new level of engagement and excitement, setting the stage for deep involvement and collaboration.



General Assembly at TOFAS, Bursa, Türkiye, February 2024.

Building on this momentum, in May 2024, JARVIS partners reconvened at the [Collins Aerospace](#) facilities in Cork, Ireland, our second use-case focusing on aeronautics. This meeting was dedicated to setting clear strategies for the next six months.



General Assembly at Collins Aerospace, Cork, Ireland, May 2024.

You can read more about the project and our latest news on our [website](#).

EVENTS

ERF24 – TRINITY Innovation Network Workshop



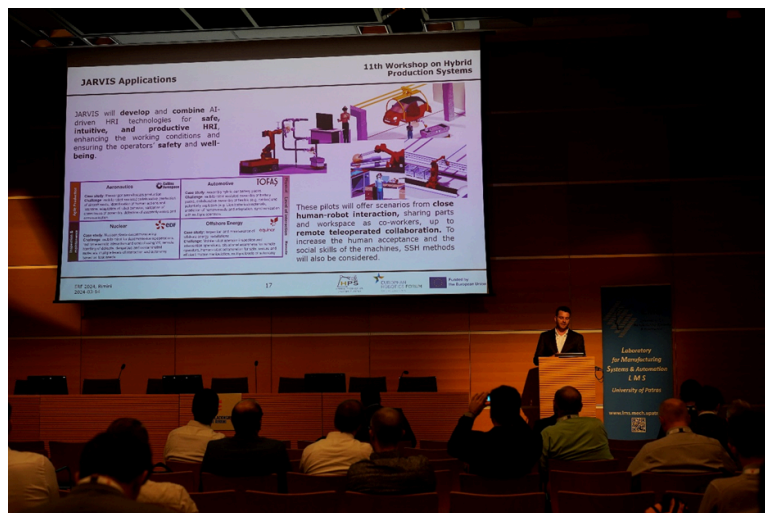
JARVIS at ERF24 in Rimini, Italy, March 2024.

Although the project has recently started, we have been more active than ever! In March, our coordinator, LMS, participated in ERF24 in Rimini, Italy and attended the [TRINITY Innovation Network](#) workshop, which focused on the future landscape of agile manufacturing.

This workshop was a fantastic gathering of minds, bringing together many other projects, including [EARASHI](#), [DIGITOP](#), [ODIN](#) and [MOTE](#). It provided an excellent opportunity to network with other relevant EU initiatives, form future collaborations, and showcase what JARVIS is all about and what we aim to achieve. The discussions and connections made during this event were invaluable as we move forward, enhancing innovation and collaboration in our field.

Read more on our [website](#).

ERF24 – 11th HPS Workshop



JARVIS also participated at the 11th Hybrid Production Systems (HPS) workshop, held during the ERF2024 in Rimini, Italy. The workshop focused on various thematic areas, including flexible materials handling, advanced Human Robot Interaction, Artificial Intelligence and remanufacturing. Thirteen EU funded projects participated, delivering presentations on developed technologies. The sessions concluded with an interactive panel discussion where speakers and the audience had the opportunity to answer in a variety of questions related to the topics presented. The

presenters, in collaboration with the audience input, discussed in depth their personal views on the future of AI in robotics and its role in the industry.

WORKSHOPS

Workshop at Equinor, Norway



Equinor, Norway, March 2024

Our partners from the [Laboratory for Manufacturing Systems and Automation](#), [Netcompany-Intrasoft CEA Collins Aerospace](#) and [SINTEF](#) convened at Karsto, the industrial test facility K-lab owned by our partner [Equinor](#), in Norway. This meeting focused on exploring relevant robotics tasks and future robotic applications at Equinor, our third use-case facility dedicated to offshore energy.

Partners had the unique opportunity to explore robotics tasks essential for Equinor's operations, particularly intervention and manipulation tasks. The event included an extensive tour of K-lab, where participants witnessed live demonstrations of robotics in action, showcasing the cutting-edge technology we are developing. This hands-on experience was invaluable for understanding the practical applications and challenges of deploying robotics in offshore energy environments.

Read more on our [website](#).

Workshop at TOFAS, Türkiye

The visit to TOFAS in Türkiye was designed to familiarize the consortium with the intricate processes involved in vehicle manufacturing. The visit commenced with an informative factory tour, where each step of the assembly line was meticulously presented. At TOFAS, this included everything from chassis shaping and painting to the final assembly of the vehicle. We had the opportunity to observe the full assembly process in action, gaining firsthand insight into the practical application of the JARVIS system. Engaging in discussions with the end users, we explored the challenges they face and their specific objectives, which significantly clarified our understanding of the JARVIS solution and its potential to address their needs.

PUBLICATIONS

Press Release

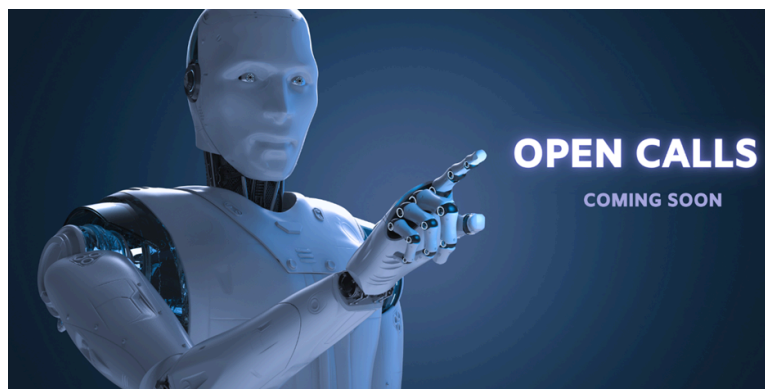


JARVIS Press Release, March 2024

The first JARVIS Press Release is out. It outlines the project's ambitious goals to enable AI-driven multimodal interaction between humans and robots and highlights the anticipated impacts across our four key use cases: Aeronautics production, automotive production, energy-nuclear plants decommissioning and energy – offshore energy.

Click [here](#) to read the full Press Release and learn more about the future directions of the JARVIS project.

WHAT TO EXPECT?



Between 2025 and 2026, the JARVIS project aims to launch two [open calls](#) for SMEs: one for external pilots and another for co-development. In total, we plan to select 21 applications across these two calls, with a substantial overall budget of 2.5 million euros dedicated to supporting these initiatives. This is a fantastic opportunity for SMEs to engage with cutting-edge AI-driven multimodal interaction technologies and test and validate the project's innovative solutions in real-world settings.

We will be providing further information and guidance on how to participate. In the meantime, you can visit our website for more information about the open calls and keep up to date with the latest developments.

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JARVIS project, funded under Horizon Europe will keep you updated about developments in human-robot collaboration



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