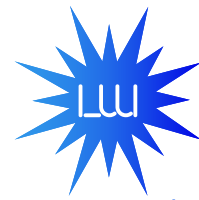


PROJECT NEWSLETTER

WWW.LASERWAY.EU



LaserWay

Tuesday, January 21, 2025



Our Project's Steps during its first year, 2024

As we enter 2025, we are thrilled to announce that the Horizon Europe project LaserWay has taken its first steps towards successfully developing three technological solutions to revolutionize laser manufacturing processes serving use cases in the automotive, aerospace, and water filtering industries.



Top News

LaserWay at the EPIC Meeting on Industrial Laser Processes for Automotive and Electro Mobility.

First project's publication on data-driven feedforward control of inertial dampers for accuracy improvement.



21 October 2024, 15:00-17:00 CEST

EPIC Online Technology Meeting on Industrial Laser Processes for Automotive and Electro Mobility



Newsletter Highlight

LaserWay's coordinator, Xavier Beudaert, presented at the EPIC - EUROPEAN PHOTONICS INDUSTRY CONSORTIUM Technology Meeting on Industrial Laser Processes for #Automotive and #Electro #Mobility in cooperation with the Association of Industrial Laser Users (AILU).

His presentation on "Laser blanking applications for the automotive industry" shared the floor with "Beam shaping, process monitoring, and AI - successful teamwork for laser beam welding in e-mobility -" by Dr. Markus Kogel-Hollacher from Precitec, one of LaserWay's partners.



Feedback Meets Feedforward

By utilizing vibration data and generating a pre-scheduled feedforward compensation signal, IDEKO has enhanced inertial damper's performance significantly. Their approach, validated through numerical and experimental results, shows up to 87% reduction in peak vibration with equal or less actuator force compared to conventional methods.

Curious about our latest publication? Click the link!

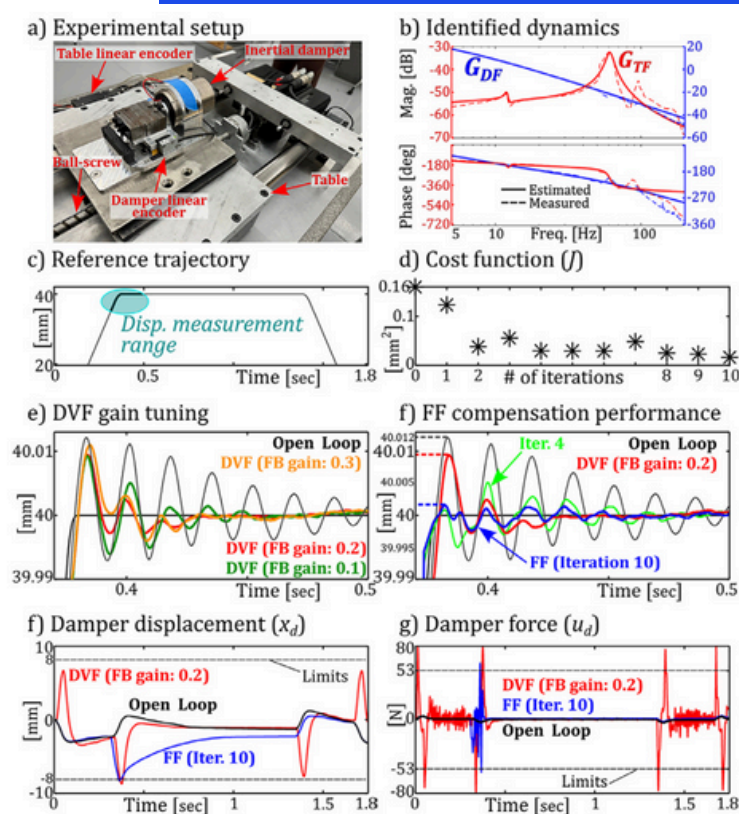


Fig. 6. Experimental results.



Strategic Partnerships

In order to expand its dissemination and communication outreach as well as to foster new collaborations for ongoing and future EU projects, LaserWay joined the LIMES cluster and the EFFRA partnership.

Visit www.laserway.eu and discover the potential of the LIMES and EFFRA communities.

The STEM future

At LaserWay, we are all proud of encouraging the younger generations to choose a career path within the Science, Technology, Engineering, and Mathematics fields (STEM).

But one LaserWay partner outshined the rest when pursuing this goal in 2024. **AZUD** opened its facilities doors to 30 bachelor's students and 40 pre-university students while also promoting women's representation through CETENMA's initiative ECOSTEMGirls, which gathered over 100 high-school students (60% girls).

A big shoutout to our partner for its commitment to the STEM future.

