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Topic

DED Integration in Process Chains for Complex Geometries and Flexible Repair Strategies

While most additive manufacturing (AM) technologies can create complex components as single parts without assembly or lengthy manufacturing chains, this isn't always the most cost- or time-efficient method. Combining additive and subtractive technologies can optimize manufacturing chains by increasing design flexibility. The DED process, in particular, integrates well with subtractive technologies, leveraging their strengths for both manufacturing and repair applications.

About the Speaker

Francesco Bruzzo graduated from Politecnico di Milano in 2018 with a degree in Mechanical Engineering, focusing his master's thesis on reducing post-processing after laser-based DED technologies. Since 2019, he has been at Fraunhofer IWS, working on publicly funded and industrial research projects related to Direct Energy Deposition and Hybrid Manufacturing. As of June 2024, he leads the group on the same topic in the Additive Manufacturing department.