

Oral presentation

Presentation title	Event name Host (Event location)	
2024/05/10	Numerical analysis of FSW of Aluminum to steel with dissimilar thicknesses	2nd International Conference on Engineering Manufacture 2024 (EM 2024) University of Porto (Porto, Portugal)
2024/05/09	Joining of aluminium/steel sheets with dissimilar thicknesses by FSW: Joint design and mechanism of welding	2nd International Conference on Engineering Manufacture 2024 (EM 2024) University of Porto (Porto, Portugal)
2024/05/09	Development of novel welding processes for high performance multi-material applications	2nd International Conference on Engineering Manufacture 2024 (EM 2024) University of Porto (Porto, Portugal)
2023/10/20	Modification of Al-Fe Intermetallic Structure with Cr and Ni and a Tremendous Enhancement of the Joint Strength: A Comprehensive Characterization	3RD INTERNATIONAL CONFERENCE ON ADVANCED JOINING PROCESSES University of Porto (Portugal)

2023/10/20 The Effect of Preheating Temperature on Joint Improvement in Friction Drilling of Dissimilar Sheet Metals (AA6061/AISI304L) 3RD INTERNATIONAL CONFERENCE ON ADVANCED JOINING PROCESSES
University of Porto (Porto, Portugal)

2023/10/19 A Novel Lap-Butt Joint Design for FSW of Aluminum to Steel in Tee- Configuration: Joining Mechanism, Intermetallic Formation, and Fracture Behaviour 3RD INTERNATIONAL CONFERENCE ON ADVANCED JOINING PROCESSES
University of Porto (Portugal)

2023/09/19 Study on Formability of Similar and Dissimilar FSW Joints of AA2024 and AA7075 Aluminum Sheets during Biaxial Tension 3RD INTERNATIONAL CONFERENCE ON ADVANCED JOINING PROCESSES
University of Porto (Porto, Portugal)

2023/06/08 A novel procedure for friction stir welding aluminium to copper by using an aluminium run-on plate The 11th Asia Conference on Mechanical and Materials Engineering (ACMME 2023)
Asian Conference on Mechanical and Materials Engineering (Japan)

2022/07/08 Effect of tool design on the joint strength of Al2024-Al7075 welds made by FSW: A response surface analysis 4th international conference on machine design and application
University of Porto (Porto, Portugal)

2022/07/07	Mechanical properties and ductile damage of magnesium alloy processed by friction stir processing	4th international conference on machine design and application University of Porto (Porto, Portugal)
2022/05/06	Analysis of joints between thin dissimilar sheets produced by FSW and subsequent rolling	1st international conference on engineering manufacture University of Porto (Porto, Portugal)
2022/05	Buttering of steel before friction stir welding for improving the joint strength of aluminium-steel joints: Fracture behaviour and interface characterization	1st international conference on engineering manufacture University of Porto (Porto, Portugal)
2021/10/22	Role of SiC Powder in Reducing the Porosity and Increasing the Carbon Content in Wire Arc Additive Manufacturing of Carbon Steel	2nd International Conference on Advanced Joining Processes (Sintra, Portugal)
2021/10/21	Utilizing a Ductile Damage Criterion for Fracture Analysis of a Dissimilar Aluminum/Steel Joint Made by FSW	2nd International Conference on Advanced Joining Processes University of Porto (Sintra, Portugal)
2020/11/06	Fracture energy assessment of adhesives – Part I: Is GIC an adhesive property? A neural network analysis	3rd International Conference on Materials Design and Applications 2020 INEGI (Porto, Portugal)

2020/11/05	Fracture energy assessment of adhesives Part II: Is GIIc an adhesive material property? (A neural network analysis)	3rd International Conference on Materials Design and Applications 2020 University of Porto (Porto, Portugal)
2018/02	Improvement of joint strength between aluminum and copper by multi-pass friction stir welding	18th Conference on Welding and Non-destructive testing Iranian Institute of Welding & NDT (IWNT) (Arak-Iran)
2018/02	The effect of surface contact on the joint strength of aluminum to magnesium made by friction stir lap welding	18th Conference on Welding and Non-destructive testing Iranian Institute of Welding & ND (IWNT) (Arak, Iran)
2017/11	The effect of heat treatment on weld strength of Al-Steel joints with different thicknesses	IMAT Iranian Metallurgical and Materials Engineering Society (Tehran, Iran)
2009/07	Energy absorption mechanism during tearing of aluminum-steel bi-metals joined by cold roll bonding	International conference on welding and non-destructive tests Iranian Institute of Welding & NDT (IWNT) (Tehran, Iran)