

# MFC 2023

## CONFERENCE PROGRAMME

September 14



7<sup>th</sup> MY FIRST CONFERENCE

08:45-09:15	REGISTRATION		Faculty Hall
09:15-09:30	CONFERENCE OPENING		Room P2
09:30-10:00	KEYNOTE SPEAKER dr.sc. Franko Hržić <i>Road to PhD: Case Study of Applied AI to Medicine</i>		Room P2
10:00-10:30	COFFEE BREAK		Faculty Hall
10:30-11:45	SECTION 1A Room P1	SECTION 1B Room P2	
	CHAIRMAN: Boris Gašparović & Ela Marković	CHAIRMAN: Andro Rak & Marina Plovanić	
	Sulovsky, Prpić-Oršić <i>Numerical Simulations of a Ship Navigating in Rough Seas</i>	Jurković, Ribarić <i>Experimental and numerical analysis of pure bending in heterogeneous and orthotropic material</i>	
	Plenča, Brčić, Kos <i>Impact of restrictions caused by the emergence of the COVID-19 virus on intermodal transport routes within the EU</i>	Mesić, Bjelanović <i>TC Notched and Doweled Composite Beams: Structural Analyses and Evaluation of the Results</i>	
	Aljinović <i>Characteristics of underwater vehicles</i>	Tutić, Mudrić, Jelenić <i>Numerical Analysis of Beam Dynamics</i>	
	Balas, Prpić-Oršić, Valčić <i>Implementation and comparison of selected natural based algorithms commonly used in route optimization</i>	Šešek, Bjelanović, Ščulac <i>Preliminary condition assessment of timber lamella vaults in Šibenik</i>	
	Šuljić, Blažina, Mohović, Mohović <i>Contribution to the reduction of ship collision risk by simulating the collision avoiding action</i>	Palaić, Matetić, Ljubic, Stajduhar, Wolf <i>A Data-Driven Model for Predicting Indoor Temperatures in Buildings with HVAC Systems</i>	
12:00-13:00	LUNCH		Restaurant RITEH
13:00-13:30	PLENARY SESSION dr.sc. Matej Gljuščić <i>Sustainability-Driven Design of Fiber-Reinforced Composites</i>		Room P2
13:30-14:45	SECTION 2A Room P1	SECTION 2B Room P2	
	CHAIRMAN: Andro Rak & Antonio Blažina	CHAIRMAN: Marijana Balas & Ivan Sulovsky	
	Banov , Lenac <i>Homomorphic Encryption and its Application in Privacy-Preserving Machine Learning</i>	Redzic, Matkovic <i>Leveraging Data in Manufacturing: Achieving Operational Efficiency and Data</i>	
	Jakac, Lanča, Ivić <i>An effective drifter deployment strategy in rugged coastline region</i>	Vušković, Veverec, Brčić, Kos <i>The Study on the Efficiency of Differential GPS Corrections in the Function of Range</i>	
	Lanča, Jakac, Ivić <i>Evaluating the parameters of potential field UAV coverage control</i>	Marković, Basan, Marohnić <i>Numerical Modelling and Analysis of Statically Loaded Functionally Graded Low-Alloy Steel Specimens</i>	
	Matetić , Stajduhar, Wolf, Palaić, Ljubić <i>Random Forests Model for HVAC System Fault Detection in Hotel Buildings</i>	Pentek, Marković <i>Comparison of properties and behaviour of different technical ceramics with aim of ballistic protection</i>	
14:45-15:00	CONFERENCE CLOSING		P2