Preliminary program of the 44th International Seminar on Material Mechanics
May 29 to June 2, 2023 on Cres, Croatia

No.	Time	Presenter	Title	Affiliation
			Sunday	
	15:00		Registration and Welcome Reception	
			Monday	
	09:15		Welcome speak	
1	09:30	C. Fällgren	A damage parameter for multiaxial loads within the scope of the FKM guideline	TU Darmstadt
2	11:00	J. Kraft	Multiaxial Fatigue	TU Darmstadt
	12:30		Lunch break	
3	14:00	A. Linn	Fatigue assessment under nonproportional loading based on scaled normal stresses	TU Clausthal
4	15:30	J. Hamacher	Notch approximation methods for components under thermomechanical stresses	TU Darmstadt
5	17:00	A. Tsakmakis	Modelling of crack propagation in ductile materials	TU Darmstadt
	18:30		End	
			Tuesday	
6	09:30	P. Yadegari	Fatigue strength of ultra-high strength steels and surface-hardened components	TU Darmstadt
7	11:00	E. Marković	Development of a finite element model of functionally graded material steel specimens	U Rijeka
	12:30		Lunch break	
8	14:00	J. Neuhäusler	Fatigue strength of welded joints based on notch strains and the influence of weld modelling	HM München
9	15:30	M. Fettke	Evaluation of the remaining fatigue life of welded and hybrid steel railway bridges of the 1930s to the 1970s	Deutsche Bahn
10	17:00	D. Iljkić	Computer simulation of quenching and tempering of steel	U Rijeka
	18:30		End	
			Wednesday	
			Excursion to Lošinj	
			Thursday	
11	09:30	A. Žerovnik	Fatigue of shape memory NiTi alloy under superelastic conditions	U Ljubljana
12	11:00	J. Srnec Novak	On the modeling of cyclic plasticity of metals with a new isotropic model	U Rijeka
	12:30		Lunch break	
13	14:00	R. Basan	An overview of design-relevant nonferrous alloys and estimation of their fatigue behavior	U Rijeka
14	15:30	C. Gakias	A computational investigation of the correlation between Almen intensity and residual stresses induced by stress shot peening	AU Thessaloniki
15	17:00	E. Giannakis	Fatigue Assessment of Automotive Leafsprings	AU Thessaloniki
	18:30		End	
			Friday	
16	08:00	F. Alizadeh	Assessment of Degraded Material Properties on the Strength of Marine Composite Structures	TU Darmstadt
17	09:30	F. Alizadeh	Autofrettage of additively manufactured high-pressure components	TU Darmstadt
18	11:00	A. Psarros	Mechanical properties of lattice structures fabricated by additive manufacturing	AU Thessaloniki
	12:30		Lunch break	
19	14:00	J. Papuga	The effect of various heat treatments on fatigue life of additively manufactured specimens from AlSi10Mg	CTU Prague
20	15:30	A. Kern	Fatigue strength of additively manufactured aluminum components	TH Mittelhessen
21	17:00	J. Lizarazu	Experimental investigation and numerical analysis of additively manufactured mild steel components under monotonic and cyclic loading conditions	MFPA Weimar
	18:30		Closing speak	