

Service name:	Modelling, simulation and optimization of the properties of mechanical structures (MSOPMS)
Service description:	<p>- EDUCATION Students will be introduced to mathematical methods used in the optimization of mechanical structures, such as the topological optimization method, the response surface method, the finite element method, the Simplex method, the method of Lagrange multipliers and other available methods used in the optimization and modelling of features engineering structures.</p> <p>- PREPARATION OF REPORTS /INSTRUCTIONS/ CONSULTING: Preparation of numerical calculations and optimization of constructions using the above methods. Advising on the choice of the appropriate numerical method in the process of optimization of a particular design. Preparation of studies and reports on numerical calculations and analysis for optimization of mechanical structures.</p>
Webpage:	
Manager/ Coordinator:	prof.dr. Ž. Ivandić, prof.dr. M. Karakašić prof.dr. Ž. Ivandić
Associates:	dr. I. Grgić, J. Marijić, mag.ing.mech., M. Vilić, mag.ing.mech.
Contact details:	zivandic@unisb.hr
Price:	Available on request
Additional remarks:	All details of formal, financial and other implications from the service domain will be the subject of a subsequent legal act (contract).