

Project name:	Modelling and simulation in development of advanced materials (SIMMAT)
Description:	<p>Project's research activities cover three fields:</p> <ol style="list-style-type: none"> <li>1. Experimental research of material behaviour with focus on the composite materials produced by using of additive technologies with conducted testing of titan alloys and photoelastic materials.</li> <li>2. Mathematical modelling with optimisation of material parameters identification.</li> <li>3. Simulation of material behaviour and validation of results by photoelastic tests.</li> </ol>
Webpage:	<a href="http://www.riteh.uniri.hr/znanost/istrazivanje-i-projekti/simmat/">http://www.riteh.uniri.hr/znanost/istrazivanje-i-projekti/simmat/</a>
Source of finances:	Croatian Science Foundation IP-2019-3607
Beneficiary:	Faculty of Engineering, University of Rijeka
Partners:	Mechanical Engineering Faculty in Slavonski Brod, University of Slavonski Brod
Project budget:	169.000 EUR
Duration:	01/12/2019 – 30/11/2023
Location:	Rijeka, Slavonski Brod
Target groups:	Research institutions and companies dealing with the additive technologies
Objectives:	Determine and conduct the characterization process of composite materials and titanium alloys produced by additive technologies, validate results by testing photoelastic materials and recommend their application.