europass	Curriculum Vitae	eo Mudric			
PERSONAL INFORMATION	<ul> <li>Teo Mudric</li> <li>, Buje, 52460, Croatia</li> <li>- i -</li> <li>teo.mudric@oapd.inaf.it</li> </ul>				
	Date of birth 11/09/1985				
WORK EXPERIENCE					
01/07/2016 - present	<ul> <li>Postdoctoral researcher</li> <li>INAF – National Institute of Astrophysics, Padua, Italy</li> <li>Software development and performance tuning in the imaging and photogrammetric field.</li> </ul>				
01/7/2014 - 30/06/2016	<ul> <li>Postdoctoral researcher</li> <li>University of Padua, Italy</li> <li>Development of a coupling between the peridynamics theory and the finite element method</li> <li>Development of a software in Matlab environment that implements the coupling and performstatic and dynamic structural analysis.</li> <li>Application of peridynamics theory to three-dimensional structures through finite element method software.</li> <li>Automatic generation of input files, for finite element analysis software, of peridynamics metroutines written in Fortran90.</li> </ul>	rd. rms linear nethod odels with			
01/11/2011 - 31/01/2012	<ul> <li>Project contract</li> <li>University of Padua, Italy</li> <li>Dynamic analysis of composite plates with Abaqus FEA software.</li> <li>Damage detection in fibre reinforced composite plates based on the dynamic response.</li> </ul>				
EDUCATION AND TRAINING					
02/01/2011 – 31/07/2014	<ul> <li>PhD in Astronautics and Satellite Sciences</li> <li>Center for Studies and Activities for Space "G. Colombo", University of Padua, Italy</li> <li>Numerical simulations and experimental tests of high velocity impacts on multilayer composition</li> </ul>	osite plate.			
04/09/2012, 10/10/2012, 19/11/2012	<ul> <li>Use of SonatestVEO and UTStudio for CFC inspection application</li> <li>IMG Ultrasuoni S.r.I.</li> <li>Use of SonatestVEO ultrasonic flaw detector on fibre reinforced composite plates.</li> <li>Use of UTStudio software for data analysis from SonatestVEO.</li> </ul>	testVEO and UTStudio for CFC inspection application S.r.I. estVEO ultrasonic flaw detector on fibre reinforced composite plates. dio software for data analysis from SonatestVEO.			
2008 – 2010	<ul> <li>Master Degree in Civil Engineering</li> <li>Faculty of Civil Engineering, University of Rijeka, Croatia</li> <li>Structural analysis.</li> <li>Finite element method.</li> <li>Static analysis and design of concrete, steel and wood structures.</li> </ul>				



PERSONAL SKILLS								
Mother tongue(s)	Croatian							
Other language(s)	UNDERSTANDING		SPEAKING		WRITING			
	Listening	Reading	Spoken interaction	Spoken production				
Italian	C1	C2	B2	B2	B2			
English	C1	C2	B2	C1	C1			
	Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user Common European Framework of Reference for Languages							
Software	Abaqus, Autodyn (Ansis Inc.), MS Office (Word, Excel, PowerPoint), UTStudio (Sonatest), AutoCAD, MathCAD, Staad.Pro, Phantom Camera Control Software							
Programming languages	<ul> <li>Matlab</li> <li>c#</li> <li>Fortran90</li> <li>IDL (Interactive Data Language)</li> </ul>							
Professional competences	<ul> <li>Spice kernels.</li> <li>Image analysis methods.</li> <li>Finite element method.</li> <li>Peridynamics theory.</li> <li>Crack propagation analysis with peridynamics theory.</li> <li>Coupling of the finite element method and the peridynamics theory.</li> <li>Structural analysis.</li> <li>Numerical simulations of high velocity impacts on isotropic and orthotropic materials.</li> <li>Analysis of damage caused by high velocity impacts.</li> <li>Use of ultrasonic flaw detector SonatestVEO for delamination detection in fibre reinforced composite plates.</li> </ul>							
ADDITIONAL INFORMATION								
Conferences presentations	<ul> <li>64<sup>th</sup> Aeroballistics Range Association Meeting, 6-11 October 2013, Destin, FL, United States of America.</li> </ul>							
	<ul> <li>19<sup>th</sup> International Conference on Composite Materials, ICCM19, 28 July - 3 August 2013, Montréal, Canada.</li> </ul>							
	• 15 <sup>th</sup> European Conference on Composite Materials, ECCM15, 24-28 June 2012, Venice, Italy.							
Assistant supervisor	<ul> <li>Master thesis of Garelli M.: "Propagazioni di cricche e impatti con la teoria della Peridinamica in Abaqus", Spervisor: Prof. U. Galvanetto, University of Padova, Academic year 2014/2015.</li> </ul>							