



ORGANISATION	<a href="#"><u>Institute of New Imaging Technologies (INIT) – University Jaume I</u></a>
Profile of your organisation	<p>Type of organization: University (Higher Education Institution)</p> <p>INIT is a research Institute of the Jaume I University of Castellon. It was created with an inherently multidisciplinary vocation and its aim is to scope all the fields involved and that are necessary in the research and development of image technologies. To cover this broad spectrum, the institute is divided into sections:</p> <ul style="list-style-type: none"> <li>• Automatic Learning and Pattern Recognition</li> <li>• Text Processing and Scanning</li> <li>• Geographical Information</li> <li>• Mathematical Modelling and Imaging</li> <li>• Visual Engineering</li> <li>• Sketch-based Modelling</li> <li>• Optics</li> <li>• Interactive Visualization</li> <li>• Machine Learning for Smart Environments – GIANT</li> <li>• Videogames Research Group</li> </ul> <p>The main objectives of the INIT in the broad field of the new imaging technologies are, predominantly:</p> <ul style="list-style-type: none"> <li>• To impulse, promote and develop a quality investigation to achieve an excellence research concerning that is reference in the subjects, disciplines included within the institute's competence.</li> <li>• To be a centre of quality research and professional training in new imaging technologies that allows INIT and the Jaume I University to offer a relevant and distinguishing teaching.</li> <li>• To promote the technology transfer to the social agents, business and institutions using a clear service vocation to the society that increases the connection and cohesion with the social environment.</li> <li>• To encourage and actively impulse initiatives that bring near and connect the university with the social and productive environment, such as the creation of technology-based</li> </ul>



	<p>enterprises.</p> <ul style="list-style-type: none"> <li>• To promote the collaboration and joint activity execution with other institutes and research groups at the national and international level.</li> <li>• To consolidate and increase the synergies and collaboration between research groups that integrate the Institute, constituting a meta-group of researchers with a great potential and coordination to jointly participate in new challenges and new research, transference and training projects.</li> </ul>	
<p>Previous experience in European projects</p>	<p>A-WEAR. A network for dynamic WEearable Applications with pRivacy constraints</p>	<p>MSCA-ITN-2018 - Innovative Training Networks</p>
	<p>GLUCOTEAR: Non-Invasive Fluorescence-based Tear Glucose Sensor Integrated to a Smartphone</p>	<p>MSCA-IF-2016 - Individual Fellowships</p>
	<p>GEO-C: Joint Doctorate in Geoinformatics: Enabling Open Cities</p>	<p>EU Marie Curie International Training Networks (ITN)</p>
	<p>ERMES: An Earth observation model-based rice information service</p>	<p>EU-FP7</p>
<p>Interests you have for future projects proposals</p>	<ul style="list-style-type: none"> <li>• AR/VR Technologies: Environment design, Interactivity, e learning, Psychological Application, Media, Serious Videogames, Gamification</li> <li>• Computer Vision: Man-Machine interface, Image Analysis, 3D reconstruction, Signal Processing</li> <li>• Geospatial Technologies: GIS Data Exploitation, Smart Cities, Sensors</li> <li>• Gerontechnology: Elder Assistance, Active &amp; Assisted Living, Activities of Daily Living</li> <li>• Monitoring, Machine Learning, Deep Learning, Indoor position.</li> <li>• Optics: Optical Imaging, Laser ablation, Femtosecond laser, Nanofluid production, Digital holography</li> <li>• Big Data: Statistical Analysis, Characterization, Pattern recognition, Data Mining, Big data analysis and social networks, Geostatistical modelling</li> </ul>	
<p>Project ideas you could have</p>	<ul style="list-style-type: none"> <li>• Fire Platform: Formative, Innovative, collaboRative E-learning Platform</li> </ul>	



<p>and what kind of partners you would search</p>	<p>Clúster 2: 'Culture, Creativity and Inclusive Society' - HORIZON-CL2-TRANSFORMATIONS-2021-01-07: Integration of emerging new technologies into education and training</p> <p>Partners: Education and Policy Makers</p> <ul style="list-style-type: none"> <li>• HORIZON-CL4-2021-HUMAN-01-13: Extended Reality Modeling (RIA)</li> </ul>
<p>3 key words</p>	<p>Imaging Technologies, e-learning, AR/VR</p>
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