



## V-MUST DEVELOPMENT CAMP: CALL FOR MOBILITY (C4)

**The Cyprus Institute (Cyprus)**

**Title: 3D data acquisition and processing**

<b>1. Name of the hosting institution</b>	The Cyprus Institute
<b>2. Brief description of the unit hosting the internship</b>	<p>The Cyprus Institute (Cyl) is a novel research and educational institution with a scientific and technological orientation. The institute strives to benefit Cyprus, the region and Europe and to provide a new and exciting model for a scientific and educational community, directing its efforts to address issues of local or regional interest and of global significance. It is envisaged that the Cyl will be organized around two major complementary academic structures: the College and the Research Centres. Since the availability of funding and the need to establish and maintain from the very beginning internationally recognized excellence, the Research Centres are being developed first, in conjunction with post-graduate studies. And undergraduate education will be implemented in a second phase</p> <p>The Science and Technology in Archaeology Research Centre (STARC) (the centre offering the internship) is devoted to the development, introduction and use of advanced science and technologies in Archaeology and Cultural Heritage. Its research activities have a strong multi-disciplinary approach, through collaboration agreements and joint activities with leading institutions in the region and synergies with other Centres of the Cyprus Institute (Cyl), towards the enhancement of knowledge regarding the Cultural Heritage (CH) of the region, through new ways of reasoning with information technologies, natural and material sciences.</p> <p>Research topics derive from a use-inspired basic research approach. They include:</p> <ul style="list-style-type: none"><li>• Natural and Material Sciences applied to Archaeology and Cultural Heritage (CH)</li><li>• Digital Heritage (DH); Information and Communication Technologies (ICT), digital documentation and semantics, scientific visualization and virtual reality methods;</li><li>• Diagnostics for CH conservation, such as chemical and physical analyses for the preservation of heritage items;</li><li>• Underwater and maritime archaeology technology</li></ul>
<b>3. Max number of internships/year</b>	2
<b>4. Areas of host institution's expertise for internship proposals</b>	3D data acquisition and processing
<b>5. Project description</b> <i>Brief description of any specific programme of work that the host wishes the intern to carry out</i>	<ul style="list-style-type: none"><li>• 3d documentation of archaeological excavations</li><li>• Post processing and archiving</li><li>• Building of repositories of knowledge and interfaces</li></ul>

<i>(optional)</i>	<ul style="list-style-type: none"> <li>• 3d stereoscopy and imaging techniques</li> </ul>
<b>6. Benefit to host</b> <i>Areas in which the host wishes to develop expertise through collaboration with an intern (optional)</i>	3D technologies online, stereoscopy, interfaces.
<b>7. Internship profile</b> <i>Please indicate the “essential” and “preferred” skills and/or qualifications that applicants should have</i>	<i>Essential</i> Basic knowledge of Cultural Heritage and digital archaeology
<b>8. Preferred period</b> <i>Please give the earliest possible start date, and the latest possible end date for hosting interns</i>	No preference
<b>9. Min/max duration</b> (usually between 12 and 24 weeks)	4 – 52 weeks
<b>10. Accommodation support</b> (where applicable)	Discount rates at hotels, discount food at local canteen
<b>11. Facilities and Supervision</b> <i>Please describe the workspace, equipment, training, supervision hours per week etc. that the host will provide</i>	All hardware and software, internet access and technical permissions necessary to carry out the agreed programme of work will be provided.  Overall supervision of the internship programme will be undertaken by Sorin Hermon, who will also ensure that any training in technologies and methods that may be required will be provided.
<b>12. Contact Details of Supervisor.</b> <b>a. Name:</b> <b>b. Address:</b> <b>c. E-mail:</b> <b>d. Telephone:</b>	Sorin Hermon  <a href="mailto:s.hermon@cyi.ac.cy">s.hermon@cyi.ac.cy</a> +357 22 208 654