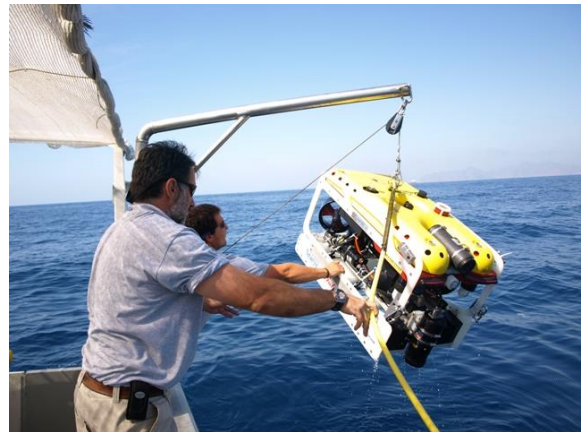


Department of Engineering
Wednesday, January 30, 2013
Galileo McAlister, 4:15pm

Remote Sensing Technologies and the Management of Underwater Cultural (& Natural) Heritage

Dr. Timmy Gambin
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For years, many marine scientists have tended to work in a vacuum with the end justifying the means. When considering remote sensing surveys at sea - it is not uncommon to find situations where offshore work has been duplicated by scientists looking for different data within the same geographic area. Today's financial situation means that budgets are being cut and consequently so is the ability to gather offshore data. It is no longer acceptable (if it ever was) for scientists to work without considering the potential horizontal benefits of their research that can be reaped by colleagues from other disciplines.



This talk draws upon the experience from marine archaeology and points to remote sensing technologies, methodologies and strategies that may open possible avenues of cooperation.

Bio: Dr. Gambin is a Senior Lecturer in the Department of Classics and Archaeology, University of Malta, from where he obtained a B.A. in History. He attained an M.A. in Maritime Archaeology and History at the University of Bristol in the UK where he continued his postgraduate studies by reading for a doctorate in Maritime Archaeology. In 2001, he joined the Department as a visiting lecturer and took up the post of Senior Lecturer in Maritime Archaeology in spring of 2012. Over the past years, Dr. Gambin has been applying technology to numerous collaborative archaeological research projects. The PaleoMed Project with the CNRS (Aix en Provence) is aimed at the reconstruction of ancient coastal landscapes and environments of the Maltese Islands. The multidisciplinary approach sees archaeologists working together with geomorphologists and palynologists. The Ancient Cisterns Project with Cal Poly and Harvey Mudd explores underground water management systems through the use of small remote operated vehicles armed with a variety of sensors. Together with the AURORA Trust, he has also directed numerous offshore underwater surveys in various parts of the Mediterranean including Spain, Italy and Croatia.