



**Call for Applications**

**Post/s of Full-Time Research Support Officer I**

**SAT-FIRE - “SATellite data Fusion and Imaging Resolution Enhancement for coastal areas”**

**MCST Space Research Fund 2018**

And any other projects undertaken by the Physical Oceanography Research Group within the Faculty of Science

1. Applications are invited for a Research Support Officer I to work with the Physical Oceanography Research Group (PO. Res. Grp) of the Department of Geosciences on the **SAT-FIRE** research project financed by the MCST Space Research Fund. The objective of the SAT-FIRE project is to improve the spatial resolution challenges of current Earth Observation Satellite systems by fusing complementary data from different spectral images from Sentinel-2 and Sentinel-3 data to improve both spatial and temporal resolution and quality of the satellite images. This will allow for more accurate predictions of marine currents, aiding divers, search and rescue operations and coastal monitoring. The Research Support Officer I may also be required to work on any other projects undertaken by the PO. Res. Grp, Department of Geosciences within the Faculty of Science.
2. Applicants must be in possession of a Bachelor's degree in Science (Physics and/or Mathematics, Computer Science, Engineering or related field). A demonstrable knowledge of fluid dynamics, computational fluid dynamics, programming and/or MATLAB programming will be considered an asset. The successful applicant will be expected to enrol in an MSc degree (taught or by research) in a subject area related to the project.

**The University of Malta is an Equal Opportunity employer.**

3. The post is for a period of 11 months and carries an initial remuneration of EUR20,800 per annum, pro-rata.
4. Candidates must submit their letter of application, a copy of their curriculum vitae and a scanned copy of their certificates. Applications must be sent by e-mail to [projects.hrmd@um.edu.mt](mailto:projects.hrmd@um.edu.mt) and should be received by not later than **19th February 2019**. Late applications will not be considered.
5. Further information may be obtained from the website: <http://www.um.edu.mt/hrmd/vacancies>.

Office of the University,  
Msida, 7<sup>th</sup> February 2019



The Malta Council for  
Science & Technology

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**Further Information**

1. The Research Support Officer will work with the Physical Oceanography Research Group, and will be responsible for the execution of a number of tasks related to the SAT-FIRE project financed by the MCST Space Research Fund, in which the Department of Communications and Computer Engineering is the lead partner. Further information about the project can be obtained by contacting Dr Anthony Galea at [anthony.j.galea@um.edu.mt](mailto:anthony.j.galea@um.edu.mt).
2. The main duties and responsibilities of the appointee will consist of the following:
  - use the improved satellite images obtained within the project to validate the coastal hydrodynamical model, to improve the marine current prediction;
  - integrate observed data with the model for further validation;
  - run the hydrodynamical codes (in non-operational mode) and collate the data gathered by divers in order to evaluate the predictions of the models;
  - endeavour in generating technical and scientific conference/journal papers;
  - assist in the dissemination process via workshops, seminars and other public outreach activities;
  - travel and attend training courses, meetings and/or conferences as the need arises; and
  - perform any other tasks as instructed by the project coordinator and key experts.
3. The appointee is expected to work at such places and during such hours as may be determined by the University authorities.
4. The selection procedure will involve:
  - a. scrutiny of qualifications and experience claimed and supported by testimonials and/or certificates (copies to be included with the application); and
  - b. an interview and / or extended interview.
5. The post is for a period of at 11 months, which will be subject to a probationary period and to the provisions of the Statutes, Regulations and Bye-Laws of the University of Malta which are now or which may hereafter be in force.

Office of the University,  
Msida, 7<sup>th</sup> February 2019