



Call for Applications Post/s of Research Support Officer (PhD Student)

HOT – HORIZON 2020

Hybrid Optomechanical Technologies

1. Applications are invited for a Research Support Officer to work on the “Hybrid Optomechanical Technologies” (HOT), a project financed by the Horizon 2020 Programme.
2. Applicants must be in possession of the following: a First Class or Second Class Upper Division undergraduate degree in Physics. A Master’s degree in Quantum Physics will be considered an asset. Additionally, knowledge of languages such as C/C++ or Python will be considered an asset. The successful applicant will be expected to enroll in a PhD programme within the Department of Physics at the University of Malta.

Applicants should refer to the Requirements for Admission to Postgraduate Courses at the following link, to check their eligibility to enrol in the PhD programme: <https://www.um.edu.mt/registrar/regulations/faculties/science/phd-bl-sci-2009>. Applicants from outside Malta are required to contact the International Admissions Office as per the following link to check the necessary requirements: <http://www.um.edu.mt/international/international>. Employment is subject to the candidate’s eligibility for the PhD programme.

The University of Malta is an Equal Opportunity employer.

3. This full-time post is for a period of 3 years and carries the following initial annual remuneration: €20,800 per annum.
4. Applicants should submit their letter of application, a copy of their curriculum vitae and copies of their certificates. Applications must be sent by e-mail to projects.hrmd@um.edu.mt and should be received by not later than **Tuesday, 26th September 2017**.

Late applications will not be considered.

Note: This application does not automatically enrol the applicant for the University of Malta’s PhD programme. A separate application must be submitted.

5. Further information may be obtained from the website: <http://www.um.edu.mt/hrmd/vacancies>

Office of the University,
Msida, 1st September 2017



Funded by the Horizon
2020 Framework Programme of
the European Union

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Further Information

1. The Research Support Officer (PhD Student) will be responsible for the execution of a number of tasks related to HOT, a project financed by the Horizon 2020 Programme in which the Department of Physics of the University of Malta is one of 17 partners. The project aims to lay the foundation for a new generation of nano- and micro-scale devices based on the interaction of motion with light and other electromagnetic radiation, which may give rise to new sensing and signal-processing technologies as well as insights into the fundamental properties of nature at the micro-scale. The University of Malta will be leading two work packages, one aiming at developing new theoretical ideas and experimental platforms for developing “mechanical metamaterials,” and one coordinating the dissemination and outreach strategy of the entire project. The PhD Student will be engaged to carry out technical research work involved in developing mechanical metamaterials.
2. Further information about the post and project can be obtained by contacting Dr André Xuereb (andre.xuereb@um.edu.mt).
3. The main duties and responsibilities of the appointees will consist of carrying out research work, including:
 - a. undertaking thorough literature reviews, developing the technical aspects of the HOT project that the University of Malta is responsible for, which will involve theoretical work of an analytic and/or numeric nature, and collaborating with other partners of the HOT consortium;
 - b. producing deliverables and related reports within the stipulated time frames as specified in the project description;
 - c. keeping detailed progress reports and abiding to all the conditions imposed by the project;
 - d. endeavouring to generate technical and scientific journal papers;
 - e. travelling and attending meetings and/or conferences as the need arises;
 - f. taking part in the submission of EU-funded research proposals to sustain related research beyond the funding of the project; and
 - g. performing any other project-related task as instructed by the project coordinator and key experts.
3. The appointees are 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 3 years, 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.