

Call for Expression of Interest
Marie Skłodowska-Curie Individual Fellowship
([H2020-MSCA- IF-2018](#))

The University of Malta (UM) is keen to host Marie Skłodowska-Curie Action fellows to work in its research teams and welcomes expressions of interest from excellent post-doctoral researchers to apply for the Individual Fellowship Scheme.

MSCA fellowships can be used by researchers who wish to relocate to Malta for a period between 12 and 24 months. Successful applicants will be able to start their fellowships between 1st March 2019 and 1st September 2020.

The funding covers:

- living and mobility allowance
- family allowance for fellows with spouses or dependent children
- research, training and networking costs
- management and indirect costs.

University of Malta

Lying at the cross-roads of the Mediterranean, UM has been, over its [400-year history](#), the hub for international academic exchange on the island. UM is the leading higher education institution in Malta and its structures are in line with the [Bologna Process](#) and the European Higher Education area. The University seeks to carry out [academic research](#) and provide a vibrant higher education setting in the arts, sciences and the humanities as required for Malta's economic, social and cultural development. The [courses](#) at UM are designed to produce highly-qualified professionals in multiple disciplines. The UM [alumni](#) community is growing exponentially: well over 3,500 students graduate in various disciplines annually. The language of instruction is English and about twelve per cent of the student population is international. Today UM is composed of [fourteen faculties](#), a number of interdisciplinary [institutes](#) and [centres](#), three [schools](#) and a [junior college](#). Besides the main campus, situated at [Msida](#), there are three other campuses: [Valletta](#), [Marsaxlokk](#), [Gozo](#).

The Department of Industrial Electrical Power Conversion

The [Department of Industrial Electrical Power Conversion](#), IEPC, forms part of the [Faculty of Engineering](#) at the University of Malta. IEPC has been at the forefront of research and lecturing in the following areas of electrical engineering: the extension of sensorless control for steer by wire applications; control of DC microgrids for integration of distributed energy storage systems; control of management of AC microgrids; improved control of wind turbines; introduction of energy storage systems for peak shaving; power electronic converters for motor drives including direct AC-DC conversion and construction of a solar catamaran. The team at IEPC is dynamic and highly motivated, and actively collaborates with other local and international academic institutions and industry.

Research projects

IEPC is seeking candidates who are interested in conducting research in any of the following fields:

- Electric transportation
- Microgrids
- Energy storage
- Control and grid integration of renewable energy
- Power electronic converters
- Control of AC machines
- Electrical energy efficiency

IEPC has test rigs for the above research areas, which the research fellow could also use.

Eligibility

Interested applicants must:

- have a PhD or the equivalent research experience
- not have lived in Malta for more than 12 months in the last 36 months up to 12th September 2018.

Interested applicants are invited to send a cover letter and CV to iepc.eng@um.edu.mt keeping in copy rssd@um.edu.mt, with “MSCA-IF + <candidate’s name>” in the email subject by **22nd July 2018**.

Selected candidates will receive dedicated support from the corresponding academic within IEPC, and the [Research Support Services Directorate](#) to write a successful proposal.
