

University of Macau--State Key Laboratory of Internet of Things for Smart City

Open for Application: UM Macao PhD Scholarship and Assistantship

University of Macau (UM) is the flagship public university in Macao, which gives it a unique advantage in pursuing the goal of becoming a world-class university with regional characteristics. English is the working language. The UM community currently consists of more than 10,143 students, including 6,767 undergraduates and 3,376 postgraduates. UM is ranked among the top 400 in the Times Higher Education (THE) World University Rankings 2019, No. 60 in the THE Asia-Pacific University Rankings 2019, and No. 52 in the THE Young University Rankings. It is among the top 1% in Essential Sciences Indicators (ESI) rankings in Engineering. (for more information, check this: <https://www.um.edu.mo/about-um/overview/introduction.html>)

The **State Key Laboratory of Internet of Things for Smart City (IOTSC)** was established in 2018. It is led by Rector of UM, Prof. **Yonghua Song** (<https://rto.um.edu.mo/biography/>). Professor Song has long been engaged in electrical power system research. He enjoys an international reputation in areas such as energy, information and control engineering. His research and expertise have promoted the development of the electric power industry. Professor Song was elected a fellow of the Foreign member of Academia Europaea in 2019, the Royal Academy of Engineering (UK) in 2004, and an IEEE fellow in 2007. He is also a fellow of International Euro-Asia Academy of Sciences and IET Fellow. (for more information, check this: <https://skliotsc.um.edu.mo>)

The Smart Energy Group of the State Key Laboratory of IOTSC invites applications for PhD students in the following research areas:

- **Smart Grid**
- **Energy Internet**
- **Energy Market**
- **Internet of Things (for energy systems)**
- **Distributed Renewable Generation**
- **Power Electronics**

Applicants with solid backgrounds in **power system analysis, power electronics, optimal control, data analytics (machine learning & artificial intelligence), optimization** and other related areas would be highly preferred.





1 Application Deadline

Applicants should visit <https://grs.um.edu.mo/index.php/prospective-students/doctoral-degrees-programmes/> for more details, and apply **ONLINE**. The application durations are as follows:

- Academic Year 2020/2021 (to be admitted in 1st Semester):
 - 1 August to 31 October 2019 (1st batch)
 - 1 November 2019 to 28 February 2020 (2nd batch)
- Academic Year 2020/2021 (to be admitted in 2nd Semester):
 - 1 April to 29 May 2020 (3rd batch)

Note: Please send your CV, research statement, transcript, & target supervisor (if any, check the supervisor list below) etc. to hc Zhang@um.edu.mo before the deadlines.

We will help shortlisted applicants to submit the final applications.

2 UM Macao PhD Scholarship

The applicant should have bachelor or master degree with proven academic records, including degree certificate(s), academic awards, publications, etc. The top-ranked applicants with outstanding academic achievements or potential will be selected for the Scholarship.

The PhD Scholarship provides each awardee with a monthly stipend of MOP20,000 and a conference or research-related travel allowance up to MOP10,000 per academic year for a period up to 4 years.

Details: <https://grs.um.edu.mo/index.php/prospective-students/phd-funding/um-macao-phd-scholarship/>

3 UM PhD Assistantship

The applicant should have bachelor or master degree with proven academic records, including degree certificate(s), academic awards, publications, etc.

The PhD assistantship can be supported by either UM centralized funding or principal investigator (PI)'s research funding, and it provides each new recipient with a starting monthly stipend of MOP12,500 (up to MOP14,000).

Details: <https://grs.um.edu.mo/index.php/prospective-students/phd-funding/phd-assistantship/>

4 Additional Notes

- Applicants seeking full-time PhD study in the UM should submit application for the UM PhD scholarship or assistantship simultaneously when submitting the online application to PhD programmes via the online application system (https://isw.umac.mo/naweb_grs/faces/index.jsp).
- Tuition & any other kinds of fees that may incur during the course of studies will not be covered by the Scholarship or Assistantship (see <https://grs.um.edu.mo/index.php/current-students/tuition-fee/>).
- On-campus housing is available (with costs) for every student & postdoc. Please check the prices at <https://srs.sao.um.edu.mo/accommodation-fee-charges/>.

5 Faculty information

Yonghua SONG (宋永华)

Chair professor, Rector of University of Macau, director of SKL-IoTSC

Foreign member of Academia Europaea,
Fellow of the Royal Academy of Engineering,
IEEE Fellow

Personal page: <https://rto.umac.mo/biography/>

Man Chung WONG (黄民聪)

Professor, Head of ECE Department

Personal page: <https://www.fst.umac.mo/en/staff/fstmcw.html>

Ningyi DAI (戴宁怡)

Associate Professor, Assistant Dean of Faculty of Science & Technology

Personal page: <https://www.fst.um.edu.mo/en/staff/fstnyd.html>

Hongcai Zhang (张洪财)

Assistant Professor

Personal page: www.hongcaizhang.com

Keng Weng LAO (刘景荣)

Lecturer, Macao Fellow

Personal page: <https://www.fst.um.edu.mo/en/staff/johnnylao.html>

Chi Kong WONG (黄志刚)

Assistant Professor (Affiliate)

Personal page: <https://www.fst.um.edu.mo/en/staff/fstckw.html>