XIAMEN UNIVERSITY MALAYSIA
厦門大學馬來西亞分校

DOCTOR OF PHILOSOPHY IN PHYSICS

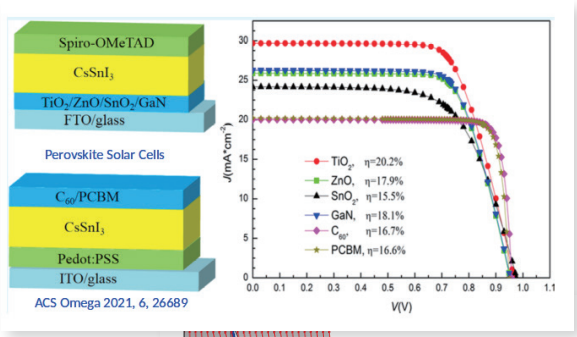
KPT/JPS [N/0533/8/0002] 11/30 [MQA/PA16345]

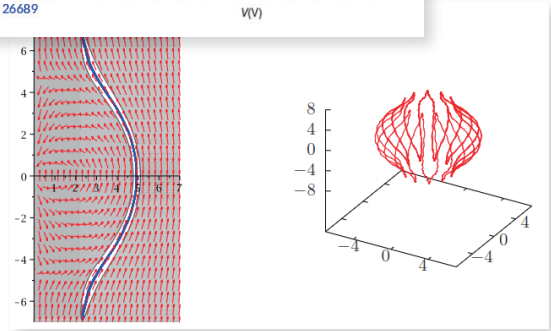
DURATION	INTAKE	MEDIUM OF INSTRUCTION
Full-time minimum 3 years; maximum 8 years **Part-time** minimum 5 years; maximum 8 years	Every month	English

* *Scholarships and allowances available, subject to fulfilment of requirements*

ABOUT THE PROGRAMME

Physics is a fundamental field of knowledge that intersects with other sciences and engineering. It is often the case that research and studies in physics often leads to new ideas and technologies in these other fields. Therefore, the aim of the department's graduate programme is to produce competent graduates with advanced knowledge and skills in physics beyond the undergraduate level. This expertise enables Malaysia to actively engage with the global physics community at large. By engaging in a research-oriented PhD programme with academic staff from diverse fields, graduates will acquire the skills necessary for fundamental sciences research as well as various applied and engineering sciences. Graduates will also be able to participate in the worldwide physics community.





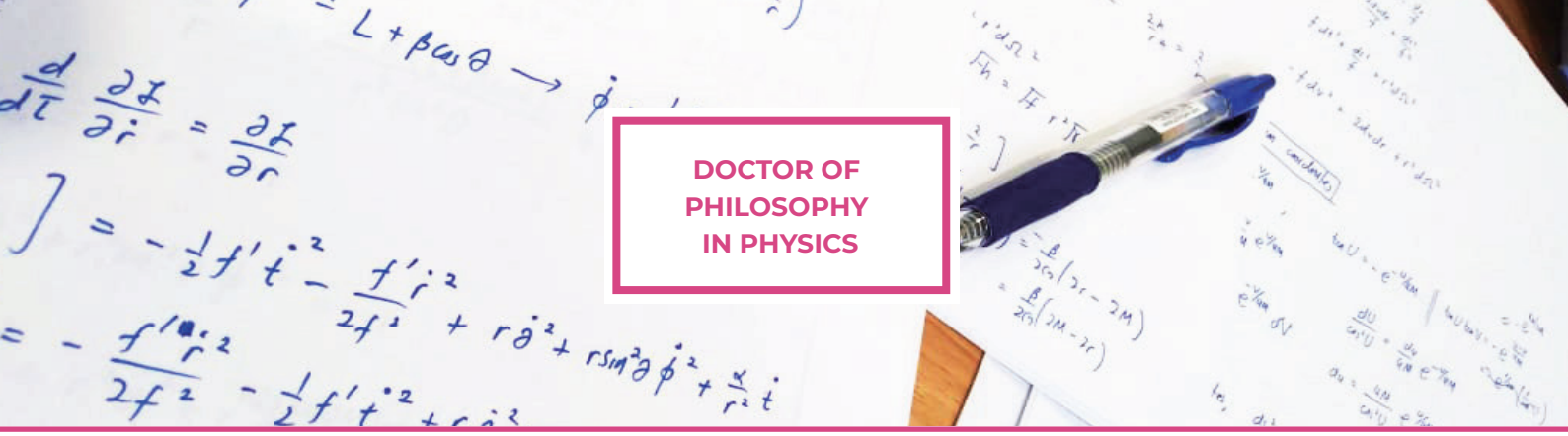
PROGRAMME HIGHLIGHTS

- Learn and collaborate with academic staff from diverse, internationally renowned backgrounds
- Engage in an intellectually stimulating environment where students and professors explore ground-breaking ideas in research
- Work in various research projects in the fields of quantum foundations/information, quantum dissipative dynamics, spintronics/magnetic materials, lasers/optoelectronics, granular matter, ocean waves simulations, nanophotonic, neural physics, Bose-Einstein condensates, black holes, and general relativity
- Benefit from close collaborations with XMU and access to academic and research resources

CAREER OPPORTUNITIES

Graduates could pursue a career in the following industries:

- Academia
- Research
- Business and Management
- Applied Physics
- Data Science
- Industrial/Commercial Research and Development
- AI Engineering



DOCTOR OF PHILOSOPHY IN PHYSICS

ENTRY REQUIREMENTS

I. A Masters' degree in Physics or related fields accepted by the HEP senate; or

II. Other qualifications in a relevant field equivalent to master's degree recognized by the government of Malaysia; or

III. Candidates without a related qualification in the field(s) or working eperience in the relevant fields must undergo appropriate prerequisite courses.

IV. A Bachelor's degree with the following conditions:

a) A Bachelor's degree in Physics or related fields with a first-class distinction (CGPA of 3.67 or higher) or its equivalent from an academic or TVET programme

b) Undergo internal assessment, and

c) Any other requirements of the HEP

V. English Proficiency for international candidates : IELTS 5.0 / MUET Band 3.5 or equivalent.

MAIN COURSES

MAIN COURSES	Research Methodology Graduate Seminar Research Thesis
ADDITIONAL REQUIREMENT	*Chinese 1 *Selected Topics on China Students with credits in Chinese courses in previous result slips (UPSR/STPM/ UEC/A-Level/Foundation/Matriculation/Diploma/SPM/O-Level/HSK, etc.) can be exempted from Chinese 1. *No additional tuition fee imposed.

XIAMEN UNIVERSITY MALAYSIA DULN009(B)

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October 2023