

إعلان

فى اطار التعاون مع جامعه لانكشير بانجلترا يتوفر فرص للتقدم للحصول على درجة الدكتوراة من جامعه لانكشير حيث يشترط للتقدم تقديم ملف قبل يوم ٥ يوليو ٢٠١٩ .

منحة الدكتوراة تتكون من ثلاث سنوات تقسم التواجد فيها بين جامعه لانكشير والاكاديمية العربية .

شروط وتفاصيل المنحة مدرجة بالاعلان التالى



Erasmus+ Key Action 1, Student Mobility Project

University of Central Lancashire (UCLan) - UK
&

Ain Shams University (ASU) - Egypt



Postgraduate Students' Mobility; UCLAN / ASU PhD JOINT SUPERVISION PROGRAMME

Target Departments

- Mechatronics Engineering
- Mechanical Engineering
- Industrial Engineering
- Communication Engineering
- Electronics Engineering

Requirement	Information to Applicant
<ol style="list-style-type: none">1. Copy of Passport2. Curriculum Vitae (European CV)3. English IELTS test with minimum score of 6.5 (or equivalent).4. Motivation Letter (maximum one page)5. Bachelor Transcript of Records with minimum equivalent to a first or second class Honours Degree in Engineering subject (Mechanical Engineering (Mechatronics), Electrical Engineering, Electronic Engineering or Computer Engineering, with GPA: 3.5 or higher.6. Two recommendation letters from lecturers (one from head of the department at AASTMT)	<ul style="list-style-type: none">• Duration of the programme: 3-Years Year 1: 10 Months at UCLan - UK 2 Months at AASTMT - Egypt Year 2: 9 Months at AASTMT - Egypt 3 Months at UCLan - UK Year 3: 9 Months at AASTMT - Egypt 3 Months at UCLan - UK• Available Scholarships: 3• Start Date: 1st October 2109• The project Offers: Year 1 (10 Months) mobility at UCLan - UK - €900 monthly allowance. - €530 contribution to travel costs
<p><u>Selection Criteria of Participants:</u></p> <ol style="list-style-type: none">1- Level of the participant academic performance during the BSc and MSc programmes.2- Level of activity in student's life and contribution to engineering community: e.g. participation in different committees, education and sport competitions, volunteering etc.3- Quality of the Research Proposal (maximum two pages)	

PhD Research Topics

1. Unmanned Systems.
2. Development of a novel cooling system for ground-coupled solar photovoltaic applications for high-temperature climates.
3. Experimental and CFD investigation of the heat transfer characteristics of Al_2O_3 -water nanofluids in spirally corrugated helically coiled tubes using the multiphase method
4. De-coating of metallic components using laser cleaning and its modelling
5. Modelling of Direct laser deposition of metallic powders for industrial/medical applications
6. Gyroscopically stabilised, scalable, low-cost cable driven additive manufacturing robot.
7. Additive manufacturing and co-sintering of multi-material metal/ceramic parts.
8. Development of an open source continuous fibre reinforced composite additive manufacturing system with the customisable feedstock.
9. Multiscale additive manufacturing using melt-electro-writing.
10. Intelligent Belt using IN4.0
11. Intelligent Prediction of Machine Life using IoT
12. Development of a tribotronic tilting pad bearing
13. Development of a tribotronic face seal system
14. Intelligent Bearing using IN4.0
15. Intelligent Gearbox using IN4.0
16. Use of soft actuation for exoskeleton applications
17. Soft actuator systems for prosthetic applications