



Lancaster University College at Beijing Jiaotong University

JOB DESCRIPTION

Ref: A3020-R

Job Title: International Lecturer in Digital Electronics	Present Grade: 8
Department/College: Engineering	
Directly responsible to: Head of Department	
Supervisory responsibility for: N/A	
Other contacts Internal: Colleagues and students in the Engineering Department and in the Faculty for Science and Technology, as well as colleagues from other faculties and services (e.g. student support, library, ISS, central administration) External: BJTU, Relevant research funding bodies and councils, professional bodies, academic and research networks, publishers and media organisations, employers and business organisations General Description: Applications are invited for the position of International Lecturer in Electronic Engineering with specific expertise in Digital Electronics and Systems, including Imaging, delivering teaching at the Joint Institute in Weihai, China as part of the international strategic partnership that has been established between Beijing-Jiaotong University and Lancaster University (BJTU-LU). Beyond the generic Digital Electronics teaching duties detailed below, there is a particular opportunity for the successful candidate to develop a research program in the area of Imaging is at the heart of many application domains, evidenced by existing research at Lancaster across, for example energy, health and the environment. The successful candidate is expected to deliver undergraduate modules in Electronic Engineering and be available to start no later than July/August 2020 (first assignment to China in September 2020). Applicants must hold a doctoral degree in Electronic Engineering and are expected to have records of scholarship, funded research, teaching and advising. Students at the Joint Institute in Weihai and from the main campuses of both BJTU and Lancaster University will be encouraged to participate in study abroad, summer schools and other types of exchange opportunities at any of the three locations. Lancaster is committed to providing students at Lancaster University College - Beijing Jiaotong University with an excellent student experience and many of Lancaster's resources will be available to them. Academic standards will be subject to rigorous quality assurance including continuous moderation of assessment setting and marking.	

Since September 2016 undergraduate programmes in Computing, Design, Engineering and Environmental Science are on offer to Chinese and international students, co-delivered by Lancaster and BJTU academics. Graduates will receive a degree from both institutions and a joint academic transcript.

In addition to teaching collaborations with BJTU, the universities have developed student exchange opportunities and graduates will be eligible for the Lancaster Alumni Loyalty scholarship. Lancaster and BJTU have been working to develop research links and Staff at the new campus will be eligible for Lancaster's staff development programmes.

Located in the east end of Shandong Province, Weihai is surrounded by the Yellow Sea in the north, east and south with a 986 kilometers (613 miles) coastline in total. It neighbours Yantai in the west and is separated from the Korean Peninsula and Japanese chain islands by the sea in the east. Weihai is located in an undulant hilly area featuring gentle slopes and broad valleys. Apart from the major hilly areas, it has broad area of littoral and mountain foot plains. The terrain of the city slopes gently, and most of the hills are less than 300 meters (984 feet) high. Its seashore area is winding with numerous interleaving headland bays, harbours and islets.

Successful applicants will be offered indefinite contracts, contingent on successful review following a period of probation. Applicants must be capable and willing to work overseas with a teaching workload for reasonable periods of time (i.e. 10 weekly durations with the possibility to extend to 10 additional weeks) and effectively use the time in between preparing and assessing at Lancaster University.

An typical annual workload model for this role will be (based on 1650 total hours)

- 320 hours departmental duties and meetings
- 660 hours research
- 660 hours teaching, preparation and assessment

You will have a comprehensive induction at Lancaster University before your first assignment to China in September 2020. During the induction period and as part of your development programme, you will be assigned a mentor for Research & Teaching and will be actively involved in teaching and research at Lancaster University prior to going out to Weihai. You must be prepared to enrol on PG CAP upon commencement of the post.

Members of academic staff are entitled to paid accommodation in Weihai, travel allowances and medical insurance in accordance with Lancaster University's International (Short term) Assignment policy.

Major Duties:

RESEARCH

1. Initiative, lead and conduct collaborative research projects with academic colleagues, community and industry partners.
2. To actively participate and contribute to the development of the Department as a leader in research, nationally and internationally.
3. To carry out an out-standing research program in the area of Electronic Engineering and/or Imaging, Control Systems, resulting in peer-reviewed publications in internationally leading academic journals, as well as dissemination at conferences and seminars.
4. To actively identify and pursue opportunities to attract and secure external funding from a wide range of sources such as EPSRC, STFC, H2020, Royal Society, and to participate in group and institutional grant applications.
5. To pursue opportunities for collaborative research in Electronic Engineering within and beyond the Department.

TEACHING

6. Develop, deliver and evaluate teaching modules in Electronics, in particular Digital Electronics and Systems.
7. To deliver more than one teaching module at a time during the assignment periods to Weihai.
8. To contribute to undergraduate teaching in the Department through delivery and development of lectures, workshops, seminars, tutorials, project supervision, as well as coursework and exam setting and marking, according to normal teaching duties.
9. To communicate effectively with students, including via office hours and electronic means, according to the Department's open door policy.
10. Attract and successfully supervise and train postgraduate research students working in the field of Electronic Engineering and/or Control Systems.

ADMINISTRATION

11. To participate in relevant committees and carry out administrative roles and duties, according to a normal load.
12. To participate in outreach and undergraduate recruitment activities, including interview and open days, according to a normal load.

PERSONAL DEVELOPMENT

13. To participate in teaching-related personal development, such as acquiring necessary teaching qualifications.
14. To participate in departmental away days and performance development reviews.

OTHER

15. Exercise a high degree of personal professional autonomy

16. To carry out other duties appropriate to the grade and position, as advised by the Head of Department.