

JOB DESCRIPTION

Title:	Hourly Paid Lecturer in Industry 4.0 Technologies
Vacancy Reference:	00996
Contract type/Hours/FTE:	Hourly paid (contact teaching hours only)
Grade/Salary:	Grade 7 / £38.19 - £44.24 per hour
Location:	Swansea Waterfront Campus
Reporting to:	Head of I4.0 European Projects

MAIN PURPOSE OF POST

The post holders will be located within the Upskilling for Industry 4.0: Wales - Advanced Manufacturing (I4.0:Wales) project which is a pan Wales project funded through the European Social Fund (ESF). I4.0 is one of a suite of EU funded projects which have been developed by the University of Wales Trinity Saint David (UWTSD) and addresses the impact of Industry 4.0 from a technological and training perspective.

Industry in general is currently experiencing a period of profound and disruptive technological change referred to as the 'Fourth Industrial Revolution' or more commonly Industry 4.0 or I4.0. Industrial digital technologies and advanced manufacturing technologies that are at the heart of this change. I4.0 technologies include, virtual reality modelling and data capture, 3-D scanning, computer aided design, simulation and analysis, reverse engineering, rapid prototyping and tooling, and additive manufacturing.

I4.0:Wales is designed to provide participants with a choice of bespoke training and qualifications in the understanding, adoption and impact of I4.0 technologies, and the challenge of their management in a disruptive context. I4.0:Wales aims to produce managers and professionals who understand the impact of I4.0 technologies on their companies and their own careers and how companies can introduce and exploit new technologies to increase innovation, and realise new commercial opportunities, in a dynamic and uncertain environment.

Post holders need to be aware of the following:

- Teaching hours will vary depending on requirements of the project
- Post holders will be required to meet the needs of the project as required. This includes working to strict deadlines, providing all necessary assessment briefs, marking, and feedback as required
- Post holders will be required to adopt a flexible working pattern, as teaching will be scheduled throughout the week and could include some evening sessions
- Teaching is required at levels 6 and 7

MAIN DUTIES

- Offer teaching and student support at undergraduate and postgraduate level of study, either individually or as a member of a teaching team.
- Offer teaching in a variety of learning settings from seminar and small group tutorials to large lectures, workshops, placements and online, using appropriate and engaging teaching styles,

within an established programme of study.

- Design and develop teaching materials (including online resources), assessment methods and criteria, for individual modules or modules within a specific subject area, with a clear awareness and understanding of relevant quality assurance requirements.
- Supervise the work of students in a timely, professional and supportive manner, providing necessary advice on study skills, research methods, assessment and dissertation work.
- Offer appropriate advice, feedback, support, and encouragement to students, in both an academic and personal tutor role, to ensure a high quality student experience.
- Maintain relationships with the employers of the students.

GENERAL DUTIES

- Discharge all relevant Health and Safety responsibilities
- Adhere to all relevant University policies and procedures
- Adapt to change and have an ability to acquire new and relevant skills and knowledge by taking appropriate responsibility for own personal and professional development
- Support and promote the University's sustainability commitment and carry out duties in an ethical and responsible manner
- Operate within the University's agreed Welsh Language Standards

NB This job description currently applies but duties may be allocated from time to time, which are appropriate to the grade and post and which are not of a substantial ongoing nature to affect the grading of the post.

ROLE PROFILE

This post has been aligned to the HERA role profile of Lecturer, within the Academic Job Family.

PERSON SPECIFICATION		
	Essential	Desirable
Education and qualifications	a) An honours degree in a relevant discipline b) A postgraduate qualification in a relevant discipline, or appropriate industrial experience.	c) A PhD in a relevant discipline d) Membership of a relevant professional body or teaching qualification
Experience, knowledge and skills	e) Experience in teaching, delivery, assessment and student support at undergraduate and postgraduate level in relevant subject area f) Experience in one or more of the following areas, Advanced Manufacturing, Mechatronics, Robotic Applications, Control Systems, PLC programming, Cyber-security, Industrial Internet of Things, Data analytics and Programming g) Demonstrable ongoing commitment to professional enhancement, scholarship and/ or research and project work h) Effective organisational and personal management skills i) Good interpersonal and communication skills	k) Experience in the design and development of module content l) Experience of supervising postgraduate and research students m) Experience of undertaking skills gaps or similar analysis in a business setting and advising on appropriate solutions

	<ul style="list-style-type: none"> j) IT proficiency and experience of using e-resources including a willingness to teach by video-link, VLE, e-mail or website delivery 	<ul style="list-style-type: none"> n) Experience in industry or collaboration with industrial partners o) Ability to communicate through the medium of Welsh
Other requirements	<ul style="list-style-type: none"> p) Recognises the need for and demonstrates appropriate confidentiality q) Demonstrable commitment to team working r) Demonstrable commitment to equality and diversity in working practices s) Willingness to travel and work flexibly to meet role requirements 	

It is in your own interest that you are explicit in your application about how you meet the stated criteria. You are encouraged to provide relevant and explicit examples, (obtained from the workplace, voluntary or community work or any other appropriate situation) so that the short-listing panel is able to clearly identify where your knowledge, and experience matches the criteria identified in the post.