**JOB DESCRIPTION**

Senior Lecturer in Intelligent and Autonomous Systems,  
School of Computing & Communications  
Vacancy Ref: A2422

<table>
<thead>
<tr>
<th><strong>Job Title:</strong></th>
<th>Senior Lecturer in Intelligent and Autonomous Systems</th>
<th><strong>Present Grade:</strong></th>
<th>Grade 9</th>
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<tbody>
<tr>
<td><strong>Department/College:</strong></td>
<td>School of Computing &amp; Communications</td>
<td><strong>Directly responsible to:</strong></td>
<td>Head of School and LIRA research Centre Director</td>
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<td><strong>Supervisory responsibility for:</strong></td>
<td>Research Fellows/Associates; PGR, PGT &amp; Undergraduate Students.</td>
<td><strong>Other contacts</strong></td>
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<td><strong>Internal:</strong></td>
<td>All colleagues and students within the School of Computing &amp; Communications, Dean of Faculty, Faculty Associate Deans, Academic colleagues within the University; University administration.</td>
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<td><strong>External:</strong></td>
<td>Commercial and industrial research collaborators and sponsors; UKRI (EPSRC, INNOVATE UK), European Commission; Professional bodies; Potential students and their parents</td>
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**Major Duties:**

To actively participate in the University’s research and teaching activities, specifically in data science and closely related areas, as follows:

1. **To undertake internationally leading research within the field of intelligent, robotic and autonomous systems with an emphasis on manufacturing systems, Industry 4.0 with expertise in the following areas: machine learning, computer vision, decision making, computational intelligence, robotic and autonomous systems:**
   - Identifying and securing funding for new research contracts and grants through the LIRA research centre;
   - Carrying out original research, individually or collaboratively, leading to the dissemination/publication of results in high quality internationally peer-reviewed academic journals and conferences.
   - Contributing to the multi-disciplinary research activities within the research Centre and the School
   - Maximising impact from research through business partnerships and public engagement activities.
   - Supervising and mentoring research staff and students.

2. **To contribute to the teaching commitments of the School by:**
   - Teaching, examining and undertaking administrative duties on undergraduate and postgraduate programmes.
   - Carrying out curriculum development in the form of design and/or revision of courses offered by the School and its international partner institutions.
   - Supervising project dissertations undertaken by undergraduate and postgraduate students.
   - Undertaking personal development in teaching skills and practice.

3. **Other:**
   - To participate fully in School committees and the running of the School.
   - To undertake various administrative duties as requested by the Head of School and the Research Centre Director.