**JOB DESCRIPTION**

|  |  |  |  |
| --- | --- | --- | --- |
| Post title: | **Professor** | | |
| Academic Unit/Service: | Electronics and Computer Science | | |
| Faculty: | Engineering and Physical Sciences | | |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 7 |
| \*ERE category: | Balanced pathway | | |
| Posts responsible to: | Head of School/ Head of research Group | | |
| Posts responsible for: | Academic Staff and Students, and others assigned by the Head of School and Head of Group (levels 4-7) | | |
| Post base: | Office-based/ flexible working possible | | |

|  |  |  |
| --- | --- | --- |
| Job purpose | | |
| To direct research in related area; to improve the research profile of the University of Southampton through undertaking internationally recognised research, obtaining steady research funding from diverse sources, contributing to the impact agenda and directing research Staff and Students; to contribute to the development and delivery of high-quality teaching; to provide academic direction. | | |
| Key accountabilities/primary responsibilities | | % Time |
|  | Research   * Plan and direct research activities of excellent quality and international standing. * Secure the publication of major results in prominent peer-reviewed international journals and conferences. * Independently and in collaboration with colleagues submit major funding bids which develop and sustain research support in School and the University. * Collaborate with stakeholders to ensure research has a distinctive impact. * Direct Staff teams and the resource management processes necessary to fulfil research plans. * Recruit and direct PhD students. | 100% |
|  | Education   * Develop and deliver a range of collaborative teaching and assessment including lectures, seminars & workshops and supervisions according to the emoloyee’s subject specialism, to enable the School’s teaching commitments and objectives to be met. |
|  | Administration   * Contribute to the effective management and administration of the School.   Any other duties as allocated by the line manager following consultation with the post holder. |
| Internal and external relationships | | |
| * Colleagues: to collaborate with academic and administrative staff in the School of Electronics and Computer Science in order to ensure the smooth and efficient delivery of teaching and to promote research. * Academic staff at other institutions: to facilitate the development of research links. * External funding bodies: to enhance the prospects of obtaining research funding.   Teaching and administrative duties will be negotiated with the Head of School, appropriate to the position advertised. | | |
| Special Requirements | | |
| To attend national and international conferences for the purposes of disseminating research results. | | |

**PERSON SPECIFICATION**

|  |  |  |  |
| --- | --- | --- | --- |
| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | PhD or equivalent professional qualifications and experience in Computer Science.  Excellence in research together with outstanding track-record of high-quality publications.  Outstanding record of successful funding.  Proven ability to deliver high-quality education, including the supervision of PhD students.  Significant national and international reputation for academic excellence and research impact. |  | CV, recommendation letters, interview |
| Planning and organising | Ability to develop and direct research programme of international standing that will result in publications in high-quality international journals and conferences.  Ability to secure research funding to support innovative research, and to manage large research programmes.  Ability to contribute to the development of research and teaching policy within the School. |  | CV, recommendation letters, interview |
| Problem solving and initiative | Ability to develop research programmes, and to work with a diverse range of funding bodies | . | CV, recommendation letters, interview |
| Management and teamwork | Able to mentor, manage, motivate, and coordinate teaching/ research teams, delegating effectively.  Able to resolve performance issues and formulate staff development plans, where appropriate, to ensure team aims are met.  Ability to manage and deliver own course units and team-taught course units.  Able to monitor and manage resources and budgets.  Work effectively in a team, understanding the strengths and weaknesses of others to help teamwork development.  Able to foster and develop good relationships between own School and the rest of the University. Able to work proactively with senior colleagues to develop cross-School and institution cooperation and effectiveness.  Ability to coach, advise and support others (staff and students) on learning and teaching issues. |  | CV, recommendation letters, interview |
| Communicating and influencing | Ability to influence the discipline and practice in related area through publication of influential papers.  Ability to establish and build major relationships with key stakeholders.  Able to provide guidance to colleagues in own team, other work areas and institutions to develop understanding and address challenges.  Ability to influence and motivate others to develop work and strategies; fostering relationships and resolving challenges as they arise.  Able to develop communications strategies.  Proactive in promoting a working environment that is inclusive and engaging; recognising the value diversity brings. | Presentation of research to public stakeholders. | CV, recommendation letters, interview |
| Other skills and behaviours | Understanding of relevant Health & Safety issues relevant to area of research and teaching. |  | CV, recommendation letters, interview |

**JOB HAZARD ANALYSIS**

**Is this an office-based post?**

|  |  |
| --- | --- |
| Yes | If this post is an office-based job with routine office hazards (eg: use of VDU), no further information needs to be supplied. Do not complete the section below. |
| No | If this post is not office-based or has some hazards other than routine office (eg: more than use of VDU) please complete the assessment below.  Hiring managers are asked to complete this section as accurately as possible to ensure the safety of the post-holder. |

## - HR will send a full PEHQ to all applicants for this position. Please note, if full health clearance is required for a role, this will apply to all individuals, including existing members of staff.

|  |  |  |  |
| --- | --- | --- | --- |
| **ENVIRONMENTAL EXPOSURES** | **Occasionally**  (<30% of time) | **Frequently**  (30-60% of time) | **Constantly**  (> 60% of time) |
| Outside work |  |  |  |
| Extremes of temperature (eg: fridge/ furnace) |  |  |  |
| ## Potential for exposure to body fluids |  |  |  |
| ## Noise (greater than 80 dba - 8 hrs twa) |  |  |  |
| ## Exposure to hazardous substances (eg: solvents, liquids, dust, fumes, biohazards). Specify below: |  |  |  |
| Frequent hand washing |  |  |  |
| Ionising radiation |  |  |  |
| **EQUIPMENT/TOOLS/MACHINES USED** | | | |
| ## Food handling |  |  |  |
| ## Driving university vehicles(eg: car/van/LGV/PCV) |  |  |  |
| ## Use of latex gloves (prohibited unless specific clinical necessity) |  |  |  |
| ## Vibrating tools (eg: strimmers, hammer drill, lawnmowers) |  |  |  |
| **PHYSICAL ABILITIES** | | | |
| Load manual handling |  |  |  |
| Repetitive crouching/kneeling/stooping |  |  |  |
| Repetitive pulling/pushing |  |  |  |
| Repetitive lifting |  |  |  |
| Standing for prolonged periods |  |  |  |
| Repetitive climbing (ie: steps, stools, ladders, stairs) |  |  |  |
| Fine motor grips (eg: pipetting) |  |  |  |
| Gross motor grips |  |  |  |
| Repetitive reaching below shoulder height |  |  |  |
| Repetitive reaching at shoulder height |  |  |  |
| Repetitive reaching above shoulder height |  |  |  |
| **PSYCHOSOCIAL ISSUES** | | | |
| Face to face contact with public | ✓ |  |  |
| Lone working | ✓ |  |  |
| ## Shift work/night work/on call duties |  |  |  |