

**INDUSTRY CLASSIFICATION**

(HE) – Higher Education

**AGE AT INTERVIEW**

31

**ELECTION OR TRANSFER TO:**

Member

**FIRST DEGREE**

2:2 Hons. from University College London in Mech. Eng., 1994

**SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS** – PhD, Univ. of Wolverhampton, 1998**EXPERIENCE PRIOR TO PRESENT POSITION**

University College London, 1991-1994 – Junior Research Assistant

University of Wolverhampton, 1994-1997 – Research Assistant

University of Wales Institute, Cardiff, 1997-1998 – Lecturer

Robert Gordon University, 1998-2000 – Research Fellow

**PRESENT POSITION**

De Montfort University, 2000-present - Lecturer. Work involves research within the Rapid Manufacturing Group, running seminars, technology transfer project management, lecturing and the supervision of research staff and students.

<b><u>STAFF REPORTING -</u></b>	<b><u>PROFESSIONAL</u></b>	0
	<b><u>TECHNICAL</u></b>	0
	<b><u>MANUAL</u></b>	0
	<b><u>OTHER</u></b>	0

**INTERVIEWERS' COMMENTS****A Demonstrate knowledge and understanding of engineering principles**

Key elements of competence	Examples of meeting A
maintains a sound theoretical approach to technology applies a creative approach to problem solving introduction/exploitation of emerging technologies promotes innovation and advances in technology	Numerous research projects – risk and safety issues in offshore engineering, wave power turbines, condition monitoring, etc.

**B Demonstrate practical application of engineering knowledge and expertise**

Key elements of competence	Examples of meeting B
takes initiative to identify potential projects and opportunities participates in or specifies research, design and development plans and implements solutions evaluates solutions identifies what has been learnt from the activity	Project work to resolve specific technical problems. Hands-on research from offshore to alternative energy from tidal currents. Disseminated results of work via many publications.

**C Leadership and management**

Key elements of competence	Examples of meeting C
<p>experience of effective project planning and implementation</p> <p>manages and plans budgets, tasks, people and/or other resources</p> <p>ensures team members have appropriate skills</p> <p>contribution to continuous improvement via quality management</p>	<p>Experience of project management (£750K), budgets, staff supervision.</p> <p>Contributes to students' future rôle.</p> <p>Supervises research students.</p>

**D Communication and inter-personal skills**

Key elements of competence	Examples of meeting D
<p>demonstrates oral communication skills</p> <p>displays written communication skills</p> <p>has the ability to present and discuss ideas and plans</p> <p>ability in team building and negotiating activities</p>	<p>Experienced lecturer and conference rapporteur.</p> <p>Over 30 conference papers published.</p>

**E Professional conduct**

Key elements of competence	Examples of meeting E
<p>compliance with codes and rules of conduct of the profession</p> <p>application and management of safe systems of work</p> <p>familiar with relevant legislation especially health, safety, risk and the environment</p> <p>displays a commitment to undertake continuing professional development, including a personal Development Action Plan</p> <p>demonstrates involvement with the IMechE, other professional engineering Institutions, schools, colleges or local other community activities</p>	<p>Teaches Engineering Principles – Working with Safe Systems – on oilrigs, in design and development.</p> <p>Implements H &amp; S requirements in workplace.</p> <p>Commitment to IMechE and use of its facilities.</p> <p>School lectures.</p>

**COMPETENCES AWARDED**

A	B	C	D	E
4	3	3	4	3
3	3	3	4	2

**PANEL RECOMMENDATION**

Transfer to Member

**MEMBERSHIP COMMITTEE DECISION**

Transfer to Member