

**INDUSTRY CLASSIFICATION**

(Y1) – Consultancy and Local Government

**AGE AT INTERVIEW**

28

**ELECTION OR TRANSFER TO:**

Member

**FIRST DEGREE**BSc (1<sup>st</sup> Hons.) from Durham Univ. in Engineering, 1995**SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS** – ACDMM, Cambridge University, 1997**EXPERIENCE PRIOR TO PRESENT POSITION**

Mott MacDonald, 1992-1995 – Sponsored Student

One year's break, 1996-1997

**PRESENT POSITION**

W. S. Atkins Consultants, 2000-present – Engineer 2, Grade 11. Duties include:

- Involvement in all aspects of project management, from bid preparation to report and presentation
- Technical studies in fatigue, impact and non-linear FE analysis, when acting as technical advisor
- Involvement in recruitment interviews, IT administration and chairing staff meetings

**STAFF REPORTING - PROFESSIONAL**

variable, depending on project

**TECHNICAL**

variable, depending on project

**MANUAL**

0

**OTHER**

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	Fatigue prediction from stress levels on axle boxes. New criteria for inspecting axle boxes. Use of PC to gather and process real-time experimental data.

**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	Impact assessment of nuclear submarines, involving research and development of the methods. Axle box investigations.

**C Leadership and management**

Key elements of competence	Examples of meeting C
experience of effective project planning and implementation manages and plans budgets, tasks, people and/or other	Project work over the last 12 months. Recruits to build team required to meet project requirements.

resources ensures team members have appropriate skills contribution to continuous improvement via quality management	Little opportunity at present.
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#### **D Communication and inter-personal skills**

<b>Key elements of competence</b>	<b>Examples of meeting D</b>
demonstrates oral communication skills displays written communication skills has the ability to present and discuss ideas and plans ability in team building and negotiating activities	Good explanations at interview. Good Professional Review Report. Presented paper to IMechE symposium; showed good ability at interview.

#### **E Professional conduct**

<b>Key elements of competence</b>	<b>Examples of meeting E</b>
compliance with codes and rules of conduct of the profession application and management of safe systems of work familiar with relevant legislation especially health, safety, risk and the environment displays a commitment to undertake continuing professional development, including a personal Development Action Plan demonstrates involvement with the IMechE, other professional engineering Institutions, schools, colleges or local other community activities	Compatible with IMechE requirements – safety-related responsibilities part of his job. Some relevance on site visits.  Starting to get Development Action Plan in place.  Involved with presentations at universities.

#### **COMPETENCES AWARDED**

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

#### **PANEL RECOMMENDATION**

Transfer to Member

#### **MEMBERSHIP COMMITTEE DECISION**