INDUSTRY CLASSIFICATION   (BI) – Biomedical Engineering

AGE AT INTERVIEW   38

ELECTION OR TRANSFER TO: Member

FIRST DEGREE   BSc Hons, 1985

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS –
University of East London, Engineering Dynamic Systems, MSc, November 1991
Imperial College, Biomedical Engineering, PhD, February 2000

EXPERIENCE PRIOR TO PRESENT POSITION
Mechanical Engineering Department, Sponsored Student, 07.81 – 09.81
Workshops, Sponsored Student, 07.82 – 09.82
Railway South, Sponsored Student, 07.83 – 09.83
Renault Corp, Sponsored Student 07.84 – 09.84
Egyptian Army, Mechanical Engineer, 10.85 – 04.88
Dowell Schlumberger, Field Engineer, 05.88 – 10.89
Surrey University, Research Assistant, 01.92 – 12.93
Rohds Group, Consultant, 01.94 – 10.95

PRESENT POSITION
Imperial College, Research Associate, 10.99 - Present

STAFF REPORTING -	**PROFESSIONAL**	3
	TECHNICAL	1
	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	Current task, and reasons for it, as s researcher and teacher/tutor demonstrate these. Seminar Co-ordinator, backed-up by performance in interview: very innovative and successful. Patented his own heart pump.

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	All three roles in Army, Dowell Schlumberger and Academics have given him continuous practical application of his knowledge and expertise. Currently has full range from research to product delivery. Uses his knowledge to solve problems, major contribution on specious heart pumping device.

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 resources ensures team members have appropriate skills contribution to continuous improvement via quality management	High quality input, full controls own funding, own work and future. (Also runs a trust for Egyptian children) Enthusiastic and able leader. Solved cement pumping problem managing staff to budget.

D   Communication and inter-personal skills

Key elements of competence	Examples of meeting D
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	Engaging, flexible, lucid, first class application. Will set out good commands and fluency of English, excellent verbal presentation. Readily new examples and details Army time as a young graduate taught him team leadership and negotiating which helps him now.

E   Professional conduct

Key elements of competence	Examples of meeting E
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	Fully complies Clean ambition and wants to set up Heart Research Centre in Imperial College. Not that conversant with IMechE Codes of Conduct but one of the keenest Mechanical Engineer and dreams of IMechE Membership.

COMPETENCE LEVEL AWARDED

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

PANEL RECOMMENDATION
Transfer to Member

MEMBERSHIP COMMITTEE DECISION
Transfer to Member