

## The Engineers of the Future

**“The value of an Arkwright Scholarship is that it shows a student that design, engineering and technology is a valuable career.”**

David was inspired to read Mechanical Engineering at Imperial College by his award. He had taken a year out with the Year in Industry Scheme and gained greatly from this valuable experience in a manufacturing environment.

He was offered sponsorship through University by GEC Alstom Turbine Generators at Rugby and this sponsorship gave him a huge advantage during his degree. The work placements, which he carried out during the summer vacation included, manufacturing, project management, design, overhaul and installation. David a very enthusiastic and motivated Scholar was awarded the Swarfega prize for the best practical project in the third and fourth year as he tackled the problem of arresting sparks from burning coals from steam locomotives on a preserved railway close to his home. At the end of his degree he was offered the chance to continue at Imperial for a PHD which he has taken up. David's project still has the transportation theme; he is looking into ways to reduce the strength of the invisible wake left by aircraft with the aim of reducing separation distances on landing and take-off.

*“One thing that struck me as I was finishing my degree was how few of my fellow Graduates actually had a real genuine interest in engineering or took up engineering careers. I think it is symptomatic of the way UK society values engineers and its engineering industry. The status of Arkwright Scholar sets you apart from others showing employers that you have a genuine interest and commitment to engineering.”*

**David Smith**



**DAVID SMITH**  
**Scholarship Awarded 1992 - 94**

Imperial College, London  
 Masters Degree in Mechanical Engineering  
 Degree classification 2:1 (Hons)

Hurstpierpoint College, Hassocks  
 'A' Levels

- Maths
- Physics
- Chemistry
- Design and Technology

The Arkwright Scholarships Trust

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