

The 2010 Academy Awards

Sponsoring Companies' Young Engineer of the Year *Supported by Shell*



BAE SYSTEMS

Matt Pearson

Programmes Manager (Acting) – Advanced Projects

Matt has just completed the BAE Systems Sigma Leadership Programme, which is their fast track future leaders scheme. During his time on the programme Matt has consistently exceeded expectations and has proven himself to be a very capable engineer who has a fantastic career ahead of him. Matt has excelled in a number of placements across the business, including an international secondment to the United States. His contributions to both the engineering community and the Sigma Programme have been excellent, gaining him wide recognition of his abilities.



ARUP

Anokhee Shah

Graduate Environmental Services Engineer

Anokhee Shah grew up in Kenya from where her interest in sustainability and development engineering stemmed. She studied Engineering Design and Appropriate Technology at Warwick University and upon graduating in 2007, she joined Arup as an Environmental Services Engineer.

Her key design interests are in reducing water consumption, sensible sanitation design including water reuse, and in sustainable stormwater management. She has worked on a range of projects, from water strategies for successful competition bids through to on site redesign workshops and tender issues. Anokhee has been part of the design and testing team for an innovative Arup patented rainwater outlet and was a finalist for the Society of Public Health Engineers Young Engineers Award in 2008. She has assisted in the creation of an educational presentation and workshop pack on Water and Engineering for 16-18 year olds by Arup and Engineering Students without Borders.

Further afield she has worked in India on rain water and solar cooker projects. Most recently she was part of a team of young engineers who won a design competition by the charity Rwanda Aid, for a low cost sustainable house. She has just returned from a 3 weeks research and prototype building visit to Rwanda for this house.

At Arup, she participates in the young environmental services engineer's training and development group. She also enjoys her role as captain of the Arup Mixed Hockey team. In the future, she looks forward to new challenges at Arup and continuing her work in water and sanitation design for developing countries.

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Matt Foster

Lead Project and Mechanical Engineer

Matt graduated in July 2006 with a First Class honours MEng Mechanical Engineering degree from Loughborough University.

The third year of this course was a Year in Industry, which Matt spent at BP Saltend carrying out a mix of research centre activities in the Hull Research and Technology Centre (HRTC), combined with a three month period of night shift TAR activities (turnaround - maintenance shutdown) on the A5 Syngas plant. Matt earned an award from Loughborough University for the quality of works undertaken during this training period.

Returning to university for a final two years, Matt spent 2007 leading the design, fabrication and installation of a new 80 tonne Borsig Syngas Cooler for the A5 plant; a 12 month project culminating in two heavy lifts to remove and replace the existing unit during the 2007 TAR. This was managed alongside the refractory re-line of the adjacent Partial Oxidation Reactor. This critical path activity was delivered safely, on time and under budget.

Matt was selected as the BP Young Engineer of the Year 2010 from an outstanding field of finalists selected by the businesses. Matt works at BP's Saltend site in Hull that is part of the Petrochemicals Strategic Performance Unit. He is currently working as a Project Engineer on an Acetic Acid project to install a new Steam Methane Reformer. Over the last year his work has encompassed design activities focusing on Inherently Safer Design, HAZOP and LOPA, followed by rigorous review and approval of the detailed designs produced by a contractor engineering company for the reformer project.

Matt has demonstrated deep technical knowledge particularly related to high temperature metallurgy, welding and steam systems.

Matt is a Chartered Engineer.



e.on

Simon Lark

Systems Team Leader, Kingsnorth Power Station

Simon Lark has made a significant and positive contribution to Kingsnorth power station in his role as Systems Team Leader over the last 12 months.

He has demonstrated high technical ability, innovation and leadership on several key projects within E.ON's Kingsnorth power station.

Specifically he has designed, installed and commissioned a Heavy Fuel Oil flame detection system, which offers many health and safety and environmental improvements as well as facilitating more effective maintenance scheduling.

He has also installed the world's first wireless mesh system, in a power station of Kingsnorth's size, to monitor where water is being consumed therefore saving costs as leaks are pinpointed quickly and resolved reducing the potential impact on station reliability.

Simon is an ambitious engineer who has, from an early age been passionate about engineering; after school he started a modern apprenticeship with National Power at Littlebrook Power Station. Following his apprenticeship, Simon gained further experience at a range of energy companies before joining E.ON at Kingsnorth Power Station in Kent as an Assistant Engineer in January 2007. He was recently promoted to the role of Systems Team Leader and has been involved in many projects to improve the operation of the plant.

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Clare Ashton

Graduate Mechanical Engineer

Clare Ashton studied for an MEng in Mechanical Engineering at Edinburgh University, graduating in June 2007. Clare joined Shell Exploration & Production (EP) in December 2007 as a Graduate Engineer. She spent her first assignment in the EP Projects group based in Aberdeen. Clare now works in Ireland on Shell's Corrib project.

Clare worked on the Shearwater Low Pressure Compression Project from 2008 to 2009 as a Graduate Mechanical Engineer. Her assignments were all completed to defined schedule and quality requirements in which Clare demonstrated her thorough and logical approach to engineering design. Her eagerness to learn and complete all tasks asked of her to a very high standard brought Clare to the attention of the Project Management team at an early stage and Clare was selected to become the Shell Site Representative at the onshore fabrication and construction facility in Aberdeen.

In her role as Site Rep, Clare was responsible for overseeing and managing the delivery of the workscope to the agreed safety, schedule and quality requirements. Her open and honest nature ensured that a positive working relationship was built with the fabrication contractor. One of the key challenges of working with fabrication contractors is ensuring alignment with HSE goals and targets. Clare promoted and led this on site and also set-up regular Activity Safety Audits to drive intervention culture and make improvements in safety management.

During the final hook-up phases of the module, Clare led several site visits and presentations to Senior Shell and Co-venturer management personnel in which she was complemented for her concise and composed presentations. She also compiled a document with detailed procedure and pictorial records of how to reassemble the module offshore which was recognised as best practice and will be utilised as the basis for future brownfield projects.

Clare has also shown her commitment to developing her engineering skills through working towards Chartered Engineer status with the IMechE and as part of this has completed presentations to local schools so as to promote and inspire young children to become engineering professionals.



THALES

Laura Shrieves

Software Engineer for DAV (Avionics, Training & Simulation)

Laura Shrieves joined Thales as a Graduate Software Engineer just over four years ago. During this time, she has consistently excelled at all the tasks she has been allocated and exceeded expectations with both the quantity, quality and timeliness of her work.

Laura has a BSc in Computer Science & Artificial Intelligence and an MSc in Human Centred Computer Systems Design.

Through her initial work on the Watchkeeper Operator's Workstation software and then on the design of the HCI for the Watchkeeper Initial Operational Capability (IOC), she has been able to apply her academic know-how with great effect.

Laura is not only a very logical, organised and imaginative engineer but also a charming and pragmatic person and a great team player. In recognition of Laura's abilities and the need for improved team effectiveness, during the middle of 2009, Laura was appointed Watchkeeper HCI Team Leader, responsible for planning and managing the work of the HCI Specification Team (team of six).

Accordingly, over the last year, Laura has taken a leading role in planning and managing the development of the HCI Specification for the Watchkeeper Final Operational Capability (FOC), using her experience built-up over the last few years to guide solution development in areas such as Tasking, Mission Planning and networking.