

Get up to Speed

with **ENGINEERING**
and **MANUFACTURING**

Wednesday
21st March
2012

**Global
Manufacturing
Festival: Sheffield**

March 2012
globalmanufacturingfestival.com



Sponsored by:

TATA STEEL



Firth Rixson
Limited

Hosted by:



Institution of
**MECHANICAL
ENGINEERS**

A not to be missed chance to see some of the fastest vehicles and people on earth all in one place.

Learn about how their success has been achieved and the fundamental role design, engineering and manufacturing have played in that success.

You'll be surprised just how many of these couldn't have happened without innovation, design, engineering and manufacturing talent and resources based in the Sheffield Region.

This event is specifically designed for young people, their families and teachers to see some of the vehicles first hand, hear from and talk to those involved in their successes including:

VESTAS SAILROCKET

The fastest "boat" on the planet with pilot Paul Larsen

MARUSSIA RACING FORMULA 1 SHOWCAR Plus Simulator

VULCAN BOMBER

Meet ground and flight crew and hear the story of this legendary bomber

MEMBERS OF THE BRITISH TRIATHLON GB PERFORMANCE TEAM

Lois Rosindale and Gordon Benson

WOMEN'S BOBSLEIGH WORLD CHAMPION

Driver, Nicola Minichiello

See some of the speed and engineering related projects being undertaken by local schools, college and university students.

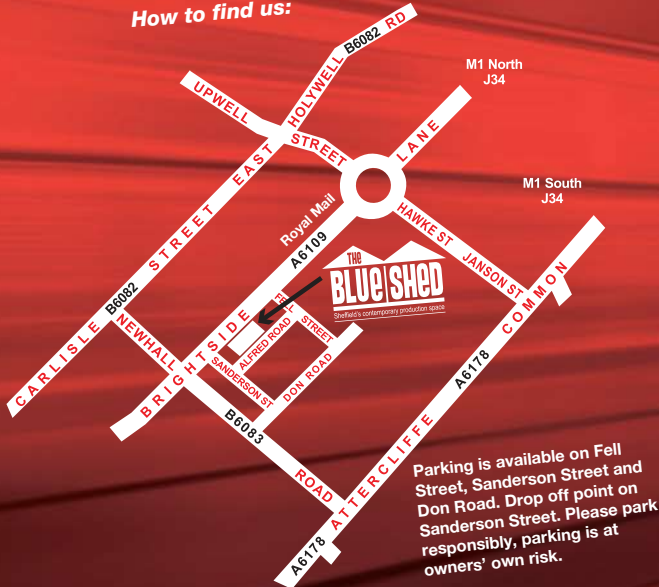
Also try your hand at a range of activities including a 3D Virtual Reality Centre where you can dismantle a virtual jet engine, race in an F1 simulator, scare yourself on the skeleton bobsleigh simulator (as recently seen on BBC Question of Sport) and much more...

A number of leading local engineering and manufacturing businesses are exhibiting at the event and explaining career opportunities within their companies. You can talk to their apprentices and graduates, find out what it's really like to work in the sector, what skills and qualifications you will need and who knows, one day play a part in helping achieve some future world records whatever the vehicle.

Venue:

The Blue Shed
Ekspan, Compass Works,
410 Brightside Lane,
Sheffield. S9 2SP

How to find us:



Parking is available on Fell Street, Sanderson Street and Don Road. Drop off point on Sanderson Street. Please park responsibly, parking is at owners' own risk.

Programme:

10:00 to 15:00

Event open to public and pre-booked student groups including interactive activities and exhibitions.

15:00 to 19:00

Exclusive session for families, young people & teachers. Interactive exhibition, activities and speakers.

19:00

Event closes.

Register:

To find out more or register your attendance please visit www.be-sy.co.uk or contact Business & Education South Yorkshire on **01709 336700** and ask for Janice Richardson or John Barber or email janice.richardson@be-sy.co.uk or john.barber@be-sy.co.uk

Families, Young People and School Groups welcome

Get up to Speed is part of the **Global Manufacturing Festival: Sheffield**, which takes place between 21st and 22nd March 2012. The festival in its second year will reaffirm the UK, and Sheffield, as a global leader in advanced engineering and manufacturing innovation.

For further information and to see the latest programme, please visit www.globalmanufacturingfestival.com

Event delivery partners:

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Enter our quiz! Test your knowledge on speed and local manufacturing and engineering to possibly win a prize.

1. What was invented in Sheffield by Harry Brearley and celebrates its centenary in 2013? _____
2. Who holds the world sail speed record? _____
3. What average speed did the above record holder achieve? _____
4. Ekspan Ltd supplied the bearings which support the huge pyramid shaped "Palace of Peace" in which country? _____
5. What is the serial number of the last remaining flying Vulcan bomber, based at Robin Hood Airport, Doncaster? _____
6. Which company, with factories in Sheffield and Rotherham, supplies steel used in the gearboxes of 3 leading Formula 1 racing cars?

7. Approximately how many people are employed in the manufacturing industry in the Sheffield city region? *Circle the correct answer*
a) 8,800 b) 88,000 c) 880,000
8. The largest ever casting made by Sheffield Forgemasters weighs the equivalent of how many family cars? *Clue - they would form a traffic jam a mile long*

9. The Institution of Mechanical Engineers is one of the largest and oldest engineering institutions in the world, but approximately how many members does it have? *Circle the correct answer*
a) 1,000 b) 10,000 c) 100,000
10. Firth Rixson Ltd supply components for around 80% of the world's aircraft, but how many factories do they have around the world?

HAND IN YOUR ANSWERS AT THE "GET UP TO SPEED" EVENT *(The first correct entry in each age group drawn from a hat on the day will win a prize)*

Name: _____ Parental/School Contact Number: _____

Age (please Tick): Under 11 11-13 14-16 Over 16

