

MCLAREN HONDA

THE MOST SUCCESSFUL PARTNERSHIP RETURNS TO F1

BRUNEL UNIVERSITY

HOSTS THE UP AND COMING TALK

Institution of
**MECHANICAL
ENGINEERS**

GLR
North Western Area

The IMechE NWA Committee are pleased to present a lecture entitled
“Carbon Fibre Composites – F1 Applications”

MCLAREN RACING LIMITED
Presented by **Matthew Easton CEng**
Composite Design Engineer
SEMINAR EVENT

Wednesday 28th January 2015
Starts at **6:00pm**
Brunel University, Lecture Theatre A



McLaren MP4-4, the most Dominant car in Formula 1 history; WINNING 15 of 16 races in 1988



McLaren MP4-23, the car that helped Lewis Hamilton WIN the World Championship in 2008

FUTURE OF MATERIALS COMPOSITE CARBON FIBRE

- McLAREN built the first F1 car to use a carbon fibre composite monocoque

MCLAREN RACING

McLaren Racing is amongst one of the most successful Formula 1 teams of all time, recording eight constructors' titles, 12 drivers' championships and over 180 grand prix victories. McLaren is a team with an incredible legacy.

MATTHEW EASTON

Matthew has over 18 years of experience as a Design Engineer, 11 years of which he worked for McLaren Racing, taking on variety of roles within the Formula 1 Company's design team. In the more recent years, he has been responsible for the design developments, production and crash testing of the FIA homologated Rear Impact Structure of McLaren's F1 cars; a part which modern f1 cars cannot compete without.

BENEFITS OF ATTENDANCE

This is an opportunity to learn how the composites are used at the pinnacle of motorsports. The lecture will cover exciting challenges the experts encounter in manufacturing with highly advanced materials such as Composite Carbon Fibre.

CARBON FIBRE COMPOSITES – F1 APPLICATIONS

- Why and where composites are used
- Typical manufacturing processes
- Quality & NDT
- Common defects & microscopy
- Safety aspects (Crash Testing)

LIMITED SPACES – REFRESHMENTS AT 5:30PM



TO reserve a space for
this event please
email
stuart.gabrielson@brunel.ac.uk

FUTURE EVENTS

**McLAREN HONDA
BRUNEL**
28 January 2015
Uxbridge
Seminar

**BLETCHLEY PARK
BLETCHLEY**
15 March 2015
Milton Keynes
Site Visit

**ASTON MARTIN
LAGONDA
GAYDON**
Spring 2015
Warwick
Site Visit

**PAPER MILL VISIT
APSLEY**
Spring 2015
Hemel Hempstead
Site Visit

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