

PRESS RELEASE

FOR IMMEDIATE RELEASE – 16th July 2010

SMALL SCIENCE BIG FUTURE: NANOTECHNOLOGY SET TO SPARK THE LATEST INNOVATIONS IN HIGH PERFORMANCE MOTORSPORT

CEMMNT, The Centre of Excellence in Metrology for Micro and Nanotechnologies, is set to host a brand new motorsport event on the 21st September 2010 focusing on the application of nanotechnologies in high performance motorsport and automotive engineering.

With 30% of sales revenue being spent on innovation within the motorsport industry and a list of potential applications for nano scale techniques and products within the motorsport sector continuing to grow, this exclusive event, hosted by CEMMNT, will explore the challenges and benefits of applying the innovations in nanotechnology to this highly competitive and highly innovative sector.

Typically, about a second separates the back row of a Formula 1 grid from the lead cars. Each fraction of a second saved in qualifying advances driver and car toward pole position and the prospect of a place on a podium or race win. Whilst the significant investments in this premium sport are considerable, it is the incremental technology advancements, 100% perfect quality, and of course, the individual driver's finely honed skill that will remain the differentiators on track.

An entire industry driven by competition, it's not just in Formula 1 where innovations in nanotechnology are becoming increasingly relevant; designers, engineers and developers in all areas of high performance motorsport continually work towards squeezing as much performance out of their cars as possible, constantly utilising innovations in engineering and design to adapt and tweak at every opportunity.

With motorsport and other high performance environments starting to find applications for nanotechnology in areas such as materials technology, lubricants, fuels, and microprocessor devices; we are starting to see that the ongoing advancements made in nanotechnology are paving the way for companies operating in high performance sectors to push the boundaries of automotive performance even further. For example, the tremendous strength-to-weight ratio of nano scale structures such as Carbon Nano Tubes used in ultra-high performance carbon matrix products has resulted in significant improvements in toughness, flexural and fatigue characteristics, enabling cars to be lighter, quicker and stronger.

One of the key challenges currently facing the motorsport sector is to provide new and novel measurement techniques and standards to meet the needs of this next generation of advanced manufacturing, a challenge that goes hand in hand with the current advances in micro and nano technologies.

CEMMNT's upcoming event entitled 'Nanotechnology Innovations For High Performance Motorsport' takes place at Cranfield University on 21st September 2010 and comprises a series of presentations and discussions from leading experts in the field as well as a walk-around exhibition. This event is FREE to attend. To register your place, or for more information on exhibiting at the event, please contact George Guildford at george.guildford@cemmnt.co.uk

-Ends-

For more information about this article please contact George Guildford at CEMMNT Hub Ltd.

Contact: George Guildford, CEMMNT Hub Ltd, Sir Denis Rooke Building, Holywell Park, Loughborough, LE11 3TU, UK

Tel: 01509 635279

Email: george.guildford@cemmnt.co.uk

Web: www.cemmnt.co.uk