

BULLETIN

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A Presentation on Carbon Fibre Manufacturing !

Thursday 17th August 2017

The AFAS-Vic Committee is pleased to host a presentation by Derek Buckmaster, Director, Carbon Nexus on "Developing innovative carbon fibre technologies at Carbon Nexus"

- Introduction to carbon fibre
- Carbon fibre manufacturing
- Where is innovation needed?
- How we deliver innovation – our capabilities
- New innovations in carbon fibre – our results

Greg LeMond, who in 1986 became the first cyclist to win the Tour de France on a carbon fibre bike, has been a household name among cyclists for three decades, selling carbon fibre bikes under his own brand around the globe. He established LeMond Composites last year to realise his vision of affordable carbon fibre bicycles for everyday riders.

The partnership with Deakin University, allows LeMond Composites to license new technology from Deakin's world-leading carbon fibre research centre, [Carbon Nexus](#) which has the potential to reduce the energy used in carbon fibre production by 75 per cent and reduces the production process time from around 80 minutes to under 15 minutes. Mr LeMond said it was difficult to fully grasp the global impact the technology would have on consumers. "What Deakin and Carbon Nexus have invented here will feed the world with low cost carbon fibre and help make carbon fibre available to the masses," he said. "This could make Geelong the new composite valley."

As the Director of the Carbon Nexus research centre at Deakin University, Derek leads the strategic direction and capability development of the world's only open-access carbon fibre research facility. He oversees industry engagement with a range of global carbon fibre players and ensures the facility meets the needs a diverse range of clients including academic researchers, collaborative research partners and customers of small-batch carbon fibre production.

He holds a bachelor's degree in mechanical engineering from Swinburne University of Technology, Australia. He began his career with GE Plastics in Melbourne in 1988, as a product design engineer. He then moved to the United States, holding several roles in advanced design engineering and marketing. Returning to Australia in 1990, he became regional sales manager for GE's Industrial Diamond division.

Derek was the Global Market Director for automotive exteriors for GE Plastics, based in The Netherlands. In this role he led the development and commercialisation of new products and technologies in thermoplastic composites and lightweight polymer glazing.

Prior to taking on the leadership of Carbon Nexus just over three years ago Derek was the General Manager of SABIC's Functional Polymers business unit, with a materials manufacturing portfolio including Acrylic and Acetal polymers, synthetic rubber, carbon black and carbon fibre. Derek was based in Saudi Arabia for several years for this role and was most recently based in the Netherlands.

<p>WHEN: Thursday 17th August 2017 TIME: Start 6:00 pm – Finish 8:30 pm WHERE: Swinburne University AMDC206 Board Room John St, Hawthorn VIC 3122</p>	<p>RSVP before Friday 11th August 2017 to</p> <p>Peter Tolé, Ph 03 9810 5724 (BH) Mobile 0412 435 344 Peter.Tole@advisian.com</p>
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