

TTNA Carbon Fibre Workshop & Training Resource Program

**One day workshop
9.00am – 5.00pm**

Queensland

**Thursday
9th July 2009**

PARTEC

**Plastic and Rubber
Technical Education
Centre**

1030 Cavendish Road,
Mt Gravatt Queensland 4122

Gregory's Map 282 G16

**Parking available
at venue**

www.ttna.com.au

The Australian manufacturing industry continues to face increasing global competitive pressures. One survival strategy is the critical need to develop innovative products that target niche markets and applications.

Evolving technology involves the use of carbon fibre to reinforce many advanced materials used in the next generation of **environmentally sustainable** products. Carbon fibre is one material that allows users to develop and manufacture **high performance textiles and composites** to reduce energy consumption due to its very high strength to weight ratio. From wind turbines to the next generation motor vehicles and passenger airline jets, carbon fibre based materials fulfil the technically demanding requirements of these applications.

This workshop will cover a broad range of end-use applications and markets for carbon fibre, including carbon fibre grades & properties, intermediate material properties, production techniques, current markets and trends. Presentation of a comprehensive learning resource and case studies during the interactive workshop will enhance the skills of attendees and increase their knowledge of key growth markets. Applications within specific market sectors will include:

• **Aerospace • Automotive • Defence • Civil Engineering • Filtration • Industrial • Offshore Oil & Gas • Pressure vessels • Sports & Leisure • Wind energy**

Documenting fibre and textile qualities and using a broad range of material samples, issues to be addressed will include OH&S, recycling, supply & demand and emerging research.

This practical workshop will be of particular relevance and benefit to industry personnel in market, business and product development roles, and to trainees & students. The aim is to **increase product knowledge** and interest in the technical textiles & composites manufacturing sectors or end-users from the market sectors listed above.

This workshop will be delivered by the following presenters who have extensive industry based experience and will share their knowledge to educate and inform attendees.

Facilitator: Mr Rod McKenna – Managing Director of Double-t Innovations Pty Ltd. With 20 years experience in the technical textiles industry, including product & market development at senior management level, Rod will present the market opportunities of carbon fibre applications.

Presenter: Dr Floreana Coman – Managing Director of Fabrics & Composites Science & Technologies. Floreana has an international background in R&D in the textiles and composites industries and will present a practical and informative session on the “*Science of Carbon*” to provide attendees with a sound working knowledge of the material properties of carbon fibre.

Presenter: Mr Phil Bovis – Senior Educator at Kangan Batman TAFE, Centre of Competitive Operations. Phil is an advanced materials practitioner with a long history of teaching advanced materials processing, repair and engineering to many trades, particularly in the aerospace and marine industries. A dedicated hands-on operator, Phil will assist attendees understand the connection between the processing techniques used to manufacture carbon textile based composites and the applications these products serve.



In recognition of the profound influence that Carbon Fibre is imposing on the automotive/ transportation, aerospace, medical and mining industries the TTNA is conducting this one day workshop collaboratively with the Composites Australia.

For more information on this initiative and future programs, call the TTNA Management Office on (03) 9866 6643, or visit the websites:
www.ttna.com.au
www.compositesaustralia.com.au



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Registration and Tax Invoice ABN 55 899 043 605

Please register below, by circling the amount you will be paying and completing the registration/contact details.

Price includes GST.

TTNA / CA Members	2 or more from same Member Company	Non-Members	Students
\$330	\$298 each	\$440	\$99

Composites Australia members may register at TTNA member rates

Payment Options:

- Cheque for \$ _____ made payable to the TTNA, or
- Direct credit to BSB 063111 Account 1029 5610 – Please quote “Carbon” as a reference;
- Credit card payment for a total: \$ _____

Visa Mastercard Expiry date: / /

Credit Card number

Signature _____ Name on credit card _____

Name (1) _____ Job title _____

Email _____

Name (2) _____ Job title _____

Email _____

Company/organisation _____

Address _____

Tel _____ Fax _____

Cancellations made after **Thursday 2 July 2009** will not be refunded. However, name changes are permitted from within the same organisation.

Please copy completed Registration and return to TTNA Management Office:

Fax: 03 9866 6434
Post to: Level 15, 10 Queens Road, Melbourne, Vic. 3004

This form becomes your Tax Invoice when you make payment. Please keep a copy for your GST records. Confirmation will be sent by e-mail. Cancellations only accepted up to COB 2 July 2009. However name changes are permitted from within the same organisation. All 'no-shows' will be charged. Privacy statement: The TTNA is bound by the National Privacy Principles (NPPs) set out in the Privacy Amendment (Private Sector) Act 2000. The TTNA will collect and store information you provide in this form to enable us to register your attendance at the event and to keep you informed of future events. The TTNA will not otherwise, without your consent, use or disclose your personal information for any purposes unless such purpose is permitted by law. Please tick the box if you do not want your information stored after this event.