

Seminar: *Warm and fuzzy or cold and clammy*

Understanding the principles of textile comfort and insulation



Date: Tuesday 28th July 2015
Time: 9.30am—1.45pm
Venue: CSIRO: Geelong Technology Precinct, 75 Pigdons Road, Waurin Ponds 3216
Cost: Members—\$140 incl GST | Non members—\$165 incl GST | Students—\$75 incl GST



Event overview: We all feel the effects of the environment differently and this impacts our choice of clothing and bedding materials. The principles of thermal insulation however are largely constant and it is on this understanding that thermal insulation product development should be based.

This half day seminar will look inside the physical principles of thermal insulation provided by textile materials whilst considering the physiological aspects of human perception of comfort.

It will also provide the opportunity to develop your networks and see some of CSIRO's testing and processing equipment.

Seminar outline: An overview of the science of thermal insulation, textile comfort, and the influence of heat and moisture. In particular:

- Human physiology requirements for comfort
- Temperature, heat flow and thermal conductivity
- Moisture and moisture management
- Heat and moisture flow through fibrous structures
- Practical effects of various parameters

Who should attend: Designers, specifiers, buyers, suppliers, makers and sellers of bedding products, camping gear, insulation products, adventure clothing, and health and medical related textiles.

About the facilitators

Dr Ian Blanchonette has a PhD in Physics from Monash University and over 25 years of experience in textile physics research. Ian's research areas have included high performance sportswear, intelligent textiles, medical textiles, novel spinning methods, and fibre contamination.

Dr Tony Pierlot, is Project Leader for CSIRO's Materials Science & Engineering's Fibre Science & Engineering Program .



REGISTER BY 5pm Friday 24 July 2015.

Register online at www.ttna.com.au/events, or complete this form and fax to 03 9421 5516 or email to anna@ttna.com.au. Please copy this form for additional registrations.

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| RSVP and Registration Form (Completed by | | TAX INVOICE ABN: 55899 043 605 | | | |
| Name: | | Company: | | | |
| Role: | | | | | |
| Address: | | Suburb: | State: | Postcode: | |
| Telephone: | | Email: | | | |
| Guests' attending — Registration Form and Tax Invoice | | Prices as above | | | |
| Name: | | Company: | | | |
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| Name: | | Company: | | | |
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| <input type="checkbox"/> My cheque for \$_____ is enclosed (cheques payable to TTNA) <input type="checkbox"/> Direct credit to our bank account: Commonwealth: BSB No: 06 3111 Account: 1029 5610 Payment Date: ____/____/____ <input type="checkbox"/> Charge my credit card <input type="checkbox"/> Visa <input type="checkbox"/> Mastercard Card Number: _____/_____/_____/_____ Expiry Date: ____/____ Signed: _____ | | | | | |

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