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Synopsis of TTNA projects, programs, training, events and initiatives:

Annual conferences

- Growth Strategies for 2010 and Beyond (2009)
- Technical and Nonwoven Textiles for Sustainable Environmental Solutions (2008)
- The Three Rs – Recreation, Resources & Retirement (2007)
- Creative and innovative uses of technology (2006)
- Fibre Vision – Future Trends in Fibre Development and End Use Applications (2005)
- Advanced Materials for the Environment and the Production of Energy (2004)
- Advanced Materials for the a Secure World (2003)
- Advanced Materials for a Solution Driven Industry (2002)
- Innovations - Opportunities in Fibres & Textiles (2001)

Short Course/workshop development and delivery to industry:

- Renewable Inputs into the textile industry (2009)
- Geosynthetic textile program for final year engineering students - Monash University (2009)
- Carbon Fibre Workshops (2009)
- The Nonwovens Product Development Workshops (2006 & 2008)
- The Nonwovens Basics Workshop (2006 & 2008)
- Controlling the Fibre Orientation in Nonwoven Technology (2008)
- Textile and Fibre substrates for composites workshops (2007 and 2008)
- Carding: Theory and Practice in the Work Place (2007)
- The Textile Finishes, Coatings & Laminating Course (2004 & 2006) in collaboration with the CSIRO Textile and Fibre Technology, International Fibre Centre (IFC) and RMIT University
- Fibre, Yarns, Textile and Apparel Tests Course (2005)
- The Mechanics of Adhesion, in collaboration with the CSIRO Textile and Fibre Technology, International Fibre Centre (IFC) and RMIT University
- The Industrial Nonwovens & Disposables (INDA) Nonwoven Product Development Workshop Bursary Program for Training at the North Carolina State University Nonwovens Cooperative Research Centre (NCRC) (2004 & 2005).
- Nonwoven and Technical Textile Innovation and Technology Program (2003)
- EDANA Nonwovens Training Course, in collaboration with the International Fibre Centre (IFC) and RMIT University (2003)

Curriculum Development:

- Member of the Manufacturing Skills Australia Industry Advisory Committee (MSA-IAC)
- During 2004/5, Manufacturing Skills Australia worked with the technical textiles and nonwoven industry to produce a qualifications framework to be included in the TCF Training Package LMT00 Version 2. This framework includes units of competency from current Training Package qualifications and new units written specifically for technical textiles & nonwovens.

Offshore activities:

- Our International Technical Collaboration Project, included the following international agencies that now form part of our international network:
 - ITV Denkendorf
 - RWTH Aachen, Textile Institute
 - Technitex Partnership, Herriott Watt University
 - North Carolina State University Nonwovens CRC
 - Textile Techniques De France
 - Centexbel
 - European Disposables & Nonwovens Association
 - The Industrial Fabrics Association International
 - International Nonwovens & Disposables Association
 - The Nonwovens Cooperative Research Centre
 - The Faraday Centre for Technical Textiles
 - Gesamtextil
 - Textile Techniques De France
- Exhibition: The Australian Technical & Nonwoven Textile Showcase at Techtextil in Frankfurt, Germany (2005)
- Exhibition: The Australian Technical & Nonwoven Textile Showcase at Techtextil in North Carolina, USA (2003)
- Exhibition: The Australian Technical & Nonwoven Textile Showcase at the Industrial Fabrics Association in Atlanta, USA (2002)

Formal Collaborative Relationships:

- The TTNA has commissioned CSIRO to develop and deliver a number of training programs for workshop and workplace delivery.
- Manufacturing Skills Australia
- Memorandum of Understanding signed between the TTNA and the Industrial Nonwovens & Disposables (INDA) in North America. (2004)
 - Memorandum of Understanding signed between the TTNA and
 - The Industrial Nonwovens & Disposables (INDA) in North America. (2004)
 - RMIT
 - China Nonwovens & Industrial Textiles Association
 - The Australian Canvas & Synthetic Products Association
 - Composites Australia
 - Leeds University (UK)

- The CRC for Advanced Composites Structures
- The National Association of Charitable Recycling Organisations

Industry Reviews:

- The Australian Technical Textiles & Nonwovens **Industry Profile**, (November 2006)
- The Technical Textiles & Nonwoven Manufacturing Industry **Technology Road Map** (September 2006)
- Discussion paper - Sources of Textile Waste (2009)
- Market Access Industry Participation Program Report (2002)
- TCF industry Review submission (2003)
- TCF industry Review submission (2008)

Technology Transfer, papers, presentations and programs delivered to industry:
International contributions are in colour

Theme	Personnel	Source
Tour of the Western Treatment Plant - Werribee	Kerryn Caulfield, Executive Manager TTNA	Melbourne Water
Bidding for a CRC	Dr Paul Falzon, Composites CRC	CRC for Advanced Composites Structures
TCF Industry Forum on Fibre & Textile Environmental Research	Kerryn Caulfield, Executive Manager TTNA	TTNA
Technical Textiles for mining applications		Tour of the Tour of the West Cliff Coal Washery - NSW
Building Capability through Collaboration	Mr. Michael Hartmann Chief Executive Officer	The CRC Association
How to produce half a kilo of ethanol from a kilo of denim.	Professor Mohammad Taherzadeh	School of Engineering, University of Borås, Sweden
Sources of Textile Waste in Australia.	Ms. Kerryn Caulfield, Executive Manager	TTNA
EfW Policy Drivers	Ms. Christine Wardle: Chair of the EfW Division	Waste Management Assoc. of Australia
Turning mixed textile waste into short-fibre nonwoven textiles.	Mr. Michael Coates, Managing Director,	I.N.C.
Future Forces, Trends and Opportunities for Industry	Mr Steve Tighe, Director	Chasing Sunrises (Australia)
Equipment Developments in filtration.	Mr. Kevin Barber, Business Development Manager	Jord Engineering
The need to filter	Mark Coghill, Principal Adviser	Rio Tinto Technology and Innovation Group
Measuring Filter Cloth Resistance on-line	Prof. Peter J Scales, Deputy Dean	Dept of Chemical and Biomolecular Engineering - School of Engineering University of Melbourne
Filtration textile fundamentals.	Mrs. Fiona Gollan Design Manager	Albany Filtration Technologies - China
Business Now & In the Future: Review of the Global and US Economies and the Effect on Textile Markets	Mr Ian Butler, Director of Market Research & Statistics,	Industrial Nonwovens Disposables Association (INDA) – North Carolina USA
Turn Risk into Opportunity: the Carbon Reduction & Trading (CPRS) Legislation and your Business.	Ms Lorraine Stephenson, Partner,.	Ernst & Young
R&D initiatives Emerging from the Cutler Review - a Focus on SME Benefits	Dr Martin Jones, Intellectual Property and Membership Manager	CRC for Advanced Composite Structures Ltd.

How the Victorian Industry Participation Policy (VIPPP) Can Help Your Business	Mr Christopher Reilly, Business Capability Advisor	Industry Capability Network
Case Study: An overview of Australia's Biggest Desalination Plant.	Ms. Serena Middleton: Stakeholder & Community Relations Manager	Thiess Pty Ltd
Business Futures: Online, Connected, Always....	Mr. Peter Williams CEO	Deloitte Digital (Australia)
Textiles and Tenders – Winning Government Business	Mr Murray Davies, Principal	Defence 101
China: A Must for Supply, a Must for Target Markets	Mr Mike Sullivan & Mr David Soloman, Directors,	Bridjworks Pty Ltd
Niche Targeting for Rapid and Riotous Growth	Mr Luke Fegen, Managing Director	SORD
LEAN Training: the Catalyst for Profound Manufacturing Efficiencies	Mr Sasha Nesar, Lean Manager	Texskill
Tightening Our Belts in Manufacturing	Mr. Grant Pearce, Managing Director	Exel Composites
Research & Development to Manufacture Specialised Fabrics to Suit Customer Requirements	Mr. Shane Canavan, National Sales & Marketing Manager	Colan Australia
The Three "P's" for Dealing with Defence	Mr. Murray Davies, Managing Director	Defence 101
Enterprise Connect - an invaluable initiative for SMEs !		Enterprise Connect
Re-tooling for Climate Change Program	Ms Anne Scott, Deputy State Manager	AusIndustry
Strategies for remaining competitive in the current climate – & factory tour	Mr. Grant Pearce, Managing Director	Exel Composites
Renewable Inputs for the Textiles Industry	Dr Marcus Powe, Entrepreneur in Residence	RMIT
Sustainability Input Policies of Toyota	Mr. Jon Ward, Manager Environmental Policy Corporate Affairs, Strategy & Environment	Toyota Motor Corporation Australia Ltd
Sustainable Characteristics & Opportunities offered from Hemp Fibres	Mr. Phil Warner, Managing Director & Founder	Ecofibre Industries Limited
PLA Fibres: CSIRO's Research Outcomes for Commercial Products	Dr Mike O'Shea, Principle Research Scientist	CSIRO Molecular Health & Technologies
The Trouble with Greenwash – How businesses can avoid the pitfalls when promoting themselves in a green marketplace	Mr. Frank Lilley, Small Business & Outreach Manager, Victoria	The Australian Competition & Consumer Commission
The Journey to Understand the Environmental Footprint of Polypropylene	Ms. Katherine Simmons, Sustainability Project Manager	LyondellBasell Australia
Can a Manufacturing Plant run on Renewable Energy?	Mr. Nic Jacobson, Senior Engineer Renewable Energy	GHD
1+1 = 3: Innovation & Relationship Building	Dr Marcus Powe, Entrepreneur in Residence	RMIT
Occupational Health & Safety Seminar	Worksafe Victoria; RMIT;	DuPont
Occupational Health & Safety - A Worksafe Perspective	Mr. Francis Zawila, Worksafe Officer	Manufacturing Logistics & Agriculture Division - Worksafe Victoria
Occupational Health & Safety - Dealing with the Public	Mr. Gary Phillipson, Senior Health & Safety Consultant	RMIT University
An Industry Perspective on Safety	Mr. Les Mapstone, Safety Consultant	DuPont

The Australian Synchrotron	Prof Robert Lamb, Science Director	The Australian Synchrotron
Business Opportunities for the TTN Industry	Dr Bill Humphries, Deputy Chief & Science Director	Textile & Fibre Technology—CSIRO
Business Opportunities for the TTN Industry	Ms. Carla Gerber, Director	Australian Nanotechnology Alliance & Australian Water Filters
Commercial/sampling Opportunities & Small Runs of Products	CSIRO Textile & Fibre Technology	
"Forming a Future" - TCF Showcase	Canberra	
No Such Thing as Waste	Mr Geoff Huntington (in lieu of Joy Nunn)	Partner, Circle, LLC & Strateline Industries (USA)
Sustainable & Innovative Product Design & Manufacturing.	Mr Matt Robinson (in lieu of Ed Warcaba)	InterfaceFLOR (Aust)
Sustainability Challenges for the Textile Industry - Ecological Necessity, Social Responsibility & Profitability	Mr Keith Cowlshaw, Head - School of Fashion & Textiles,	RMIT University
Kimberely Clark "Sustainability - A Winning Approach"	Dr Ross Hearne, General Manager Corporate Services	South Asia, Kimberly Clark Corporation
Manufacture of Spunbond Geotextiles with Recycled Polymer & Lower Energy Usage	Mr Roger Holmes-Brown, Group Project Manager	Geofabrics Australasia (Albury)
Does the Game Change? An Overview of Synthetic Turf Surfaces for Various Sporting Applications	Dr Martin Schlegel, Managing Director,	Advanced Polymer Technology
Title of Presentation: Microencapsulation Technology & Applications in Textiles	Dr Randy Meirowitz, President	RnD Technical Solutions Inc (USA)
Reduction of Energy, Waste Water & Production Time by Using Intelligent Finishing Methods Based on Foam Technology	Dr Gerhard Blaum, Manager Coating Division	CHT R. Beitlich GMBH (Germany)
Latest Innovation on Textile Coating & Laminating	Mr Guido Juchli, Director, Marketing & Sales	SCHAETTI AG (Switzerland)
Sustainability Issues of Biodegradable &/or Biobased Nonwoven Materials	Dr Ioan Negulescu, Professor	Louisiana State University, Baton Rouge (USA)
Fibre Architecture for Natural Fibre Composites	Dr Menghe Miao	CSIRO Materials Science & Engineering
Understanding & Managing the Carbon Economy	Mr Trevor Barrows, Principle Consultant	CarbonView
Materials characterization & mechanical properties obtained through fibre orientation	Mr Paul Verbeke, Technical Director	Bekaert in France
Barb kick-up; How much is enough? & Why do needles break?	Ing. Giacomo Meucci, Regional Sales Director for Nonwoven Technology	Oerlikon Neumag - Italy
Fibre Orientation for Nonwoven Technology	Mr Bernd Roedig, Sales Manager for South East Asia	Groz-Beckert, based in Germany
Global Commodity Sourcing	Mr Shane Bewry, Commercial Consultant	Bewry Consulting
Doing Business with the Queensland Government - Tendering for Government Business	Mr. Ian Lewis,	Department of State Development
Doing Business with Defence	Mr. Peter Levens, Director	Defence Materiel Organisation - QLD
The TTNA – Partnering Business	Mr. Simon Restal, Managing Director	ELCO Solutions
Data on the Australian Technical and Nonwoven Textiles Industry	Ms. Kerry Caulfield, Executive Manager	TTNA

The Team Australia Approach to Trade Shows – including a tour of The Smith Family's facility	Ms. Cathy Bray, CEO	The Smith Family Commercial Enterprise
Introduction to Basell and Basell's Local Customers, and How to Manufacture PP	Mr Robert Moran, Managing Director	Basell Australia Pty Ltd
Tour of the Basell factory	Mr David Stannard, National Sales Manager	Basell Australia Pty Ltd
Use of Binder fibres to Replace Latex in Needle-punch Nonwoven Products	Mr. Anthony Bergelin, Director	Spencer Bergelin Associates
Machinery & Training Materials for Environmentally Sound Manufacturing	Mr Roger Hayhurst, Director	International Fibre Centre
Non-conventional Ring Spinning, Quality Control, Microfibres and Nanofibres in Technical Textiles	Dr Peter Lamb, Research Fellow	Deakin University
Coating/Laminating Machinery and Statistics at ITMA	Mr. Peter McDonald, Managing Director	Ramsay McDonald Pty Ltd
Worldwide Prospects for the Nonwoven Industry & India – Nonwovens Outlook 2007-2012	Mr Ian Butler, Director of Market Research & Statistics	INDA (Association of Nonwovens Industry) (USA)
Intellectual Property Rights – Why Are They Important For The Technical Textiles Industry?	Mr Adrian Trioli, Patent and Trade Mark Attorney & Intellectual Property Lawyer	Adrian M. Trioli (Melbourne)
Sol-gel Coatings, Functionality for the three R's	Mr Chris Hurren, Technical Manager	Deakin University (Geelong)
Composite Materials Used in Recreation by Retirees	Mr Gerard Murphy, Education & Employment Officer	Composites Australia
Degradation of Textile Covers for Anaerobic Ponds	Mr Tshun Thart Chan & Dr Niall Finn, Senior Engineer	Melbourne Water & Account Manager, CSIRO Textile & Fibre Technology
Measurement of Resource Efficiency in Manufacturing	Mr Michael Coates, Managing Director	I.N.C. Corporation (Melbourne)
Evaporation Protection of Water Resources	Ms Vanessa Dwyer, Business Development Manager	TenCate Australia (Albury)
Medical Applications of Fibres & Textiles .	Dr Peter Cookson, Business Manager/Senior Research Fellow	Deakin University (Geelong)
Next-to-skin Wool Garments for Preventing Skin Tears	Dr Andrew Poole, Project Scientist	CSIRO Textile & Fibre Technology (Geelong)
Skills Issues in the TTN Industry	Mr Michael Harris, Director	Permanser Technology Pty Ltd
Introduction to the Commercial Ready Programme including Q&A	Dr Bronwyn Williams, R&D Program Manager VIC:	AusIndustry
Introduction to the Commercial Ready Programme including Q&A	Mr. David Price NSW:	AusIndustry
The Technical Properties of Wool Fibres	Mr. Gary Robinson, Senior Project Officer	Australian Wool Innovation
What the NSW DSRD can do for the TTN industry in NSW	Mr. Bob Moes, Industry Sector Manager	NSW Department of Industry, State & Regional Development
Importing Raw Materials for the Industry	Ms. Amanda Smith, Sales Manager	Zedtex New Zealand
Synthesis of Organically Conducting Fibres & Research into Electronic Textiles	Dr Simon Moulton	University of Wollongong
Greenhouse Challenge Plus –	Mr. Bill Kearney, Senior Manager	Australian Greenhouse Office

Product Development – and the INDA/NCRC Product Development Workshop	Mr. Raymon Wood, Nonwovens Manager	CSIRO Textile & Fibre Technology
Work Place Training Opportunities	Ms. Rebekah Vesali, Manager - Lean	INC Corporation
Work Place Training Opportunities	Mr. Jack Cunningham, Sectoral Manager	Manufacturing Skills Australia
Technology Roadmaps and Skills Studies Programme	Ms. Debby Archbold – Consultant	Deborah Wilson Consulting Services
Doing Business with Defence and the NSW Government	Mr. Medhat - Purchasing Policy Advisor	Defence Materials Organisation
Doing Business with Defence and the NSW Government	Paul Judge, Manager - Food & Industry	NSW Department of Industry, State & Regional Development
Prospects for the Worldwide Nonwovens Industry	Mr Ian Butler, Director of Market Research & Statistics,	Industrial Nonwovens Disposables Association (INDA) – North Carolina USA
Change Management Through Lean Principles	Ms Rebekah Vesali, Lean Systems Manager	INC Corporation (Melbourne)
Recent Developments in Knitted Technical Textiles and the Future Outlook.	Dr Olga Troynikov, Program Coordinator and Senior Lecturer	RMIT University – (Melbourne)
Innovation – The Key to Market Success	Mr Roger La Salle, Director	Rudders RLS Pty Ltd (Melbourne)
Technical Textiles in India – A Market Perspective	Mr Samir Gupta, Managing Director	Business Coordination House (New Delhi)
Electronic Textiles: Technologies, Applications and Impacts	Dr Richard Helmer, Research Engineer	CSIRO Textile and Fibre Technology (Melbourne)
Innovative Wet Finishing Technologies for Nonwoven End Products	R. Neil Muirhead, Managing Director	Kuesters Far East Ltd. Hong Kong
Tailored Textile Composites for Mobility Applications	Mr Frank Henkel, Scientific Employee	Institut fur Textiltechnik der RWTH, (Aachen, Germany)
An Improved Elastomeric Tracking System	Mr Robert Bell, Technical Manager	Madison Filter Pty Ltd (Melbourne)
Data and Information Project into the TTN Industry	Ms Kerryn Caulfield, Executive Manager	Technical Textiles and Nonwoven Association
Discussion on the Feasibility of a China Free Trade Agreement	Mr. John Dalton, Industry & Trade Policy	Department of Industry Trade & Resources
Discussion on the Feasibility of a China Free Trade Agreement	Ms. Estelle Parker, DFAT	Department of Foreign Affairs & Trade
Discussion on the Feasibility of a China Free Trade Agreement	Ms. Ruth Gallagher, Dept of ITR	Department of Industry Trade & Resources
Discussion on the Feasibility of a China Free Trade Agreement	Mr. Alan Coleman, Dept of ITR	Department of Industry Trade & Resources
Polypropylene – Where it's used; What it is	Mr Robert Moran, CEO	Basell Australia
State Government Assistance – Export & Business Growth Programmes and Scholarships	Mr Sean Molloy, Industry Liaison Manager	Dept of Innovation, Industry and Regional Development
Innovative Materials for Medical Applications – Latest Developments and Trends	AOR Dr.-Ing. Dieter Veit, Deputy Head of Department	Institut fur Textiltechnik der RWTH, Aachen (Germany)
CSIRO Research into Carbon Nanotubes for Smart Textiles.	Mr Ken Atkinson, Project Leader	CSIRO Textile and Fibre Technology
Protection Textiles and the Technical Demands on Fibres	Mr Chris Rane, Product Manager	Excel Nonwovens (UK)
The Outlook for Oil and its Derivatives	Mr Gerard Burg, Minerals & Energy Economist	National Australia Bank
Fibre Solutions	Mr Howard Price, Marketing Manager	Invista (Australia) Pty Ltd
Challenges and Opportunities for the Australian Cotton Industry	Mr Allan Williams, Project Officer	Cotton Growers Research Association

The Use of Textiles in Reduction of Particulate Emissions from Coal Fired Power Stations in Australia	Mr Paul Bowden, Technical Specialist	Power Generation and Alumina, Albany International.
Fibre & Textile Applications of Nanotechnology	Dr Peter Cookson, Research Academic	Deakin University
Soybean Protein Fibre - The Old Fashioned Fibre with a Modern Future	Ms Janet Pope, Managing Director,	Cust & Jacobson Pty Ltd.
Fibres Production from Post Consumer Waste and Sustainable	Professor Ed Kosior, Technical Director, Managing Director	NEXTEK Pty Ltd
Workplace Training Manager	Mr Kent Williamson, Workplace Training Manager	Royal Melbourne Institute of Technology
Technical Fibre Properties of Polypropelene	Mr David Lovegrove, Australasian Sales Manager	Drake Extrusion
Flexible Die and Magnetic Cylinders	Mr Ian Sarney, Sales & Marketing Manager	Gerhardt Australia
CINTE Techtextil in Shanghai in September 2006	Ms Doris Schnyder, Manager- Trade Fairs	German Chamber of Commerce
Fabrics Tension Structures – Presentation and discussion on common fabric types in the industry	Mr Angus Macleod, International Manager	Skyspan (Pacific)
The Outcomes of the Post 2005 Assistance Package and their impact on the TTN industry	Dr Malcolm Roberts, Ind. Adviser to the Minister for Industry Trade & Resources	Department of Industry Trade & Resources
AusIndustry's Innovations Programmes	Mr Bill Loughlin, Deputy State Manager Victoria	AusIndustry
Technical Textiles for the Paper Industry	Mr John Beard, Managing Director	Huyck Australia
The Outcomes of the US/Australia FTA and its Possible Impact on the TTN industry	Mr Remo Moretta, Industrials Negotiations Taskforce Office of Trade Negotiations	Department of Foreign Affairs & Trade
The Benefits of Textile Covers for Potable Water Storages – A study by CSIRO, Gale Pacific, and East Gippsland Water	Dr Niall Finn, Senior Research Fellow	CSIRO Textile and Fibre Technology
New Developments in Waste Water Treatment in the Textile Industry	Mr Massimiliano Previdi, Director	SIMEM S.R.L. (Italy)
Melbourne Water's Western Treatment Plant – Energy Recovery System	Mr Rob A'Vard, Technical & Marketing Manager	Melbourne Water
Photocatalytic Oxidation System for Colour Removal in Dye Effluent	Dr Linda Zou, Research Fellow	Deakin University
How Composites are Revolutionising Energy Generation	Mr Francis Woodruff, Director	Web Processing (M/C) Ltd
Aerospace to Windmills: The Development of Composite Reinforcements	Mr Steve Hoptroff, Business Development Manager	Hexcel Corporation
Nonwoven Geosynthetics in Containment and Remediation	Mr Simon Restall, General Manager	Soil Filters
Electrospun Polymer Nanofibres and Their Applications	Dr Tong Lin, Research Fellow	Deakin University
The Use of Geosynthetics in Landfill Waste Disposal, Treatment, and Energy Recovery	Dr Roger Holmes-Brown, General Manager Manufacturing	Geofabrics Australasia Pty
Biodegradable Polymers in Textiles	Dr Mickey Huson, Research Fellow	CSIRO Textile and Fibre Technology
Sustainable Industrial Materials derived from Agricultural Fibre	Dr Stephen Russell, Senior Research Fellow	University of Leeds (UK)

Waste		
Non Woven Technical Textiles for the Collection of Fly Ash in Flue-gas from Coal Fired Power Stations	Mr Paul Bowden, Technical Specialist	Albany International Pty Ltd
Technical Textiles in Paper Making	Mr. Frank Oxley, Technical Manager	Albany International Pty Ltd
Opportunities to Export Technical Textiles and Nonwovens to the USA, and an Overview of INDA	Mr. Ian Butler, Director of Market Research & Statistics	International Nonwovens & Disposables Association (INDA), USA
Australia-United States Free Trade Agreement	Mr Stephen Deady, Special Negotiator,	Department of Foreign Affairs and Trade
Recycled Materials in Nonwovens	Mr Ray Anderson, General Manager	The Smith Family
Military Protective Concepts for First Responders, Emergency Services and Homeland Protection	Mr. Roger Tattersall, Technical Director	Lantor (UK) Ltd
New Materials for Protective and Bio-monitoring Textiles	Dr William Humphries, Senior Research Fellow	CSIRO Textile and Fibre Technology
Textiles for Combatant Protection and Performance	Dr Bin Lee , Technical Manager	Defence Science & Technology Organisation
Laminating Technologies for Multi-functional Textiles	Mr R. Neil Muirhead, International Business Manager	Eduard Küsters Maschinenfabrik GmbH & Co. KG
Long-Term Performance of Non-Woven Geotextile Wraparound Walls	Mr Rod McKenna , General Manager	Geofabrics Australasia Pty Ltd
A Systematic Examination of Chemical/Biological Warfare Related to Textiles – Threats, Needs & Opportunities	Mr Randy Meiowitz , President	RnD Technical Solutions Inc
Airline Security: Technology, Regulation and Risk	Mr Graeme Clarke, Business Development Manager	QANTAS
The Use of Technical Textiles in Agriculture, Aquaculture & Horticulture	Mr. Gary Gale, Managing Director & CEO	Gale Pacific
Surface Textiles for Automotive, Tri-laminates & Acoustic Use	Mr Arthur Mitrou	RMIT
INDEX 2002: Highlights from an R&D Perspective	Dr Niall Finn, Senior Team Leader - Nonwovens	CSIRO Textile & Fibre Technology
EDANA Nonwovens Standards	Mr. Jack Roosenboom, Senior Manager - Short Courses	RMIT, Faculty of Art, Design & Communication
Nonwovens – A Global Perspective.	Mr Ted Wirtz, President	INDA (USA)
Future Developments in the Nonwovens Sector	Mr Colin F. White, Consultant	MCW Technologies (UK)
Airlaid - A New Technology for Australia?	Mr Jesper Dobel, Managing Director	Dan-Webforming A/S (Denmark)
A Technical Textiles Solution in Paper Making – A Case Study.	Mr Frank Oxley, PMC Technical Manager	Albany International
Spunlacing of Calendered Spunbond Webs	Mr Daniel Feroe, Area Sales Manager	Rieter Perfoject (USA)
Friction Modifiers & Much More	Mr Dirk Leiber, General Manager	ESCH Anlagen & Maschinenbau GmbH (Germany)
From Customer Driven Developments to Market Leading Solutions	Mr Robert Bell, Technical Manager	Madison Filter Pty Ltd
Nonwoven Carding Instrumentation & Process Control.	Dr Niall Finn, Project Manager	CSIRO TFT
Italians Do it Better – Winding, Slitting, Rewinding Nonwovens	Dr Alessandro Celli, Director	A. Celli SPA (Italy)
Lectra Solutions and Success Stories on the Filtration Market.	M. Jean Millorit, Director	Lectra (France)
Technical Textiles & Electro Magnetic Radiation Protection	Professor Mike Pailthorpe, Senior Research Scientist	LincLab Australia

The Intelligent Knee Sleeve	Ms Bridget Munro, Senior Researcher	CSIRO TFT
Innovative Coastal Solutions Utilising Nonwovens.	Mr Simon Restall, General Manager	Soil Filters Australia Pty Ltd
Exciting Developments in Vertically Lapped Thermally Bonded Textiles	Mr. Michael Coates, Managing Director	INC Engineered Materials
Adding Value to Technical Nonwovens in Small Market Place	Mr. Phillip Butler, Managing Director	Lantor of Australia Pty Ltd
Managed Innovation – Albany International – A Case Study	Mr. Barry McDonald, Managing Director	Albany International Pty Ltd
Wool in Nonwoven & Technical Textiles	Mr. Ian McFarlane, Research Leader Nonwovens	WRONZ
Atmospheric Pressure Plasma Treatments for Textiles	Mr. Niall Finn, Account Manager	Technical Textiles CSIRO Textile & Fibre Technology
Opportunities to Add Value by Chemical Treatments	Mr. Arie Van Buiten, Technical Promotion Chemicals	Ciba Specialty chemicals
Where the TTNA is in its short history	Mr. Allan Ryan, Chairman	TTNA
Smart Textiles & Wearable Electronics Review	Mr. Stewart Collie, Scientist, Processing & Consumer Products	WRONZ
Marketing Technical Textiles in the Global Market	Mr. Rod McKenna, Business Development Manager	Excel Nonwovens
Technologies for the Extraction of Bast Fibre From the Stem	Mr. Adrian Clarke, Managing Director	Fibrenova
New Generation of Nonwovens & Technical Textiles	Mr. Alfred Watzl, Vice President	Fleissner GmbH & Co, Germany
Recent Developments in Web Forming & Needling	J. P. Dilo, Principal	Dilo System Group, Germany