Conference & Exhibition 2007
New Technology Taking Shape

If you only go to one industry event this year, make it this one!
Something for everybody – Don’t miss out!

Join delegates from around Australia and around the world. Hear Bob Lacovara from ACMA, Bobbie Cook from the Composites Association of NZ, Tony Vizzini from SAMPE and many others! Take your choice from up to 35 papers and presentations on the latest developments in the industry and listen to the experts in the field speaking about new technology taking shape in the composites industry.

- Visit more than 30 trade displays by materials and equipment suppliers and manufacturers
- See live demonstrations on fabrication processes
- Sign up for a local factory site visit
- Attend panel discussions on “Occupational Health & Safety Issues”, “Employment & Training in the Composites Industry” and on “Research & Development for the Composites Industry”.

Our poolside BBQ conference dinner on Thursday 19th April is an event not to be missed. Partners and guests are welcome.

Stay on for the post conference options!

- Play golf with your industry mates on Friday afternoon at the world-class Royal Pines Golf Course! The Ambrose Challenge is suitable for golfers of all abilities.
- Or choose the once in a lifetime experience of driving a Performance V8 Supercar.
- Get up close and personal with a tiger at Dreamworld!
- Have breakfast with the dolphins at Sea World.
- Or just stay a while on the sunny Gold Coast and explore the many attractions – or just relax!
Composites Australia & the Composites CRC Annual Conference 2007

Delegates will hear presentations from national and international speakers on the new and emerging uses of technology in composite fabrication, design, engineering and processing - and on training and safety issues, which along with research and development, are imperative to these advances. As new technology takes shape, it creates challenges and opportunities for the composites industry.

Message from John Mickel MP
Minister for State Development, Employment and Industrial Relations

Implementation of fibre composites technology is paying off for Queensland - both in terms of job creation and economic achievements. Fibre composites are a key component in a number of the State’s booming industry sectors including advanced manufacturing, aerospace, construction and infrastructure, defence, marine, mining and transport.

A recent survey indicated that composites companies contributed an estimated $1.2 billion to the State’s industry turnover in 2004/05, comprising around 300 businesses employing close to 6,800 people.

The Queensland Government is capitalising on this growth through the implementation of its Fibre Composites Action Plan. We have also invested a significant amount into research and development through the Smart State Innovation Funds and are actively addressing fibre composite skills and training issues through the commencement of an industry-wide skills formation strategy. We are not alone in seeing this as a Queensland growth industry of the future. I am pleased that our State’s fibre composite industry status and potential are being recognised nationally and welcome the 2007 Composites Australia / Composites CRC Conference and Exhibition to Queensland for the first time.

I encourage you to support the Conference and also enjoy some of the best our Smart State has to offer.

John Mickel MP
Minister for State Development, Employment and Industrial Relations

Speakers will include

The Shape of Future Composites
Bob Lacovara – ACMA (American Composites Manufacturers Association) – USA
Crashworthiness of Composites
Tony Vizzini – SAMPE (Society for the Advancement of Material and Process Engineering) – USA
The Composites Industry in New Zealand
Bobbie Cook, CANZ (Composites Association of New Zealand) – NZ
Establishment and Management of Effective Distributor-based Sales Channels - A Model for Growing Globally while Meeting Local Demands
Michael A. Ruby, GlasCraft Inc. – USA
Marketing and Communication Strategies Employing Various Media
Andy Rusnak, ACMA (CM Magazine) – USA
Osmotic Blistering - Causes, Prevention, Correction
Chris Cranitch – ATL Composites
New Initiator Products Help "New" Application Technology Shape the Composites Industry of Today
Glenn Campbell – NORAC
New Developments In Release Agent Technologies
Ian Snowdon – Marbocote Ltd / K & H Surface Technologies – UK

Plant Based Resins for Fibre Composites
David Rogers – Fibre Composites Design and Development (USQ)
Impact on Water of Composite Plates and Hulls
Bruce Cartwright – Pacific ESI (Pacific Engineering Systems International)
Gel-Coat Spraying - Features, Advantages, Benefits
Don Wilccek – GlasCraft Inc. – USA
Polymer Composites with Inherently Generated Micro-/Nano-Fibrils
Debes Bhattacharya, Director, Centre for Advanced Composite Materials, The University of Auckland – NZ
Wood Plastic Composites
Alan Crosby – University of NSW
Phenolic Ventilation Ducting for the Marine Environment
David Whitaker – Thales Australia
Lighter, Faster, Deeper, Smarter: Case studies in industrial composites R&D at CSIRO Exploration and Mining
Philip Teakle – CSIRO Exploration and Mining
Making Composites Safe in Fire
Stefanie Feih – RMIT / CRC-ACS
Beneath the Surface
Arthur Rendell – Regina Glass Fibre

Supplier Sessions

(registered to date)

3TEX, Inc – Patrick Duke
Advancements in 3-D Braided Composite Performs
Airetech International – Guy Schindler
Vacuum Bagging Material Selection
"Value Added Services"
Allied Friction Australia – Hank van Herk
Going Global
J FR Australia – Peter Clowes
Spray Application of Syntactic Cores
PARTEC – Mark Halford
The Development of Vacuum & Resin Infusion Fittings and Hoses
Valspar – Larry Nunes
XLA PLUS - The Next Generation of High Performance Gel Coat

Round Tables

Skills Development and Access to Funding
A panel discussion on employment & training in the composites industry. Includes: Education & Employment Strategy for the Next Twelve Months – Understanding the Current Work Pool; Why Your Management Methods Will Change – A look at generational differences; Training workers for the demands of the future; Developing a national training strategy to best satisfy the skill development needs of industry; and helping the industry access government assistance.

Occupational Health & Safety Issues
How to Meet Your Workplace Health and Safety Obligations; Health & Safety Legislation and How to Deal With It; and The New Changes in Standards: The Latest Research on Styrene Emissions - understanding the emissions mechanism.

Research & Development Projects for the Composites Industry
Facilitated by Ian Crouch & Frank Rosselli - Composites CRC. Featuring Tony Vizzini and others.
Information for Delegates

Venue and Accommodation
The beautiful and lush Crowne Plaza Royal Pines Resort is located at the heart of the Gold Coast, midway between the magnificent beaches of Surfers Paradise and the lush rainforests of the Hinterland. In addition to the purpose-built award-winning convention centre, it boasts a five-star hotel with all the luxuries.

We have secured a special rate of $170.00 per night for a standard room for our conference delegates at the hotel. You must use the accommodation booking form to secure these rates – it can be downloaded from www.compositesaustralia.com.au or sent to you on request. Rooms are limited – book now to avoid disappointment.

Crowne Plaza Royal Pines Resort
Address Ross Street, Ashmore, Queensland, 4214 Australia
Telephone + 61 7 5597 1111
Toll Free within Australia: 1800 074 999
Facsimile + 61 07 5597 2277
Email rpr@rpr.com.au
Website www.royalpines.com.au
Parking is available on-site at no extra cost.

There are alternatives for those wishing to stay in Surfers Paradise. Please note that for those not staying at Crowne Plaza Royal Pines, transport to and from the conference would be by your own arrangement.

Courtyard by Marriott Surfers Paradise Resort
$135 for a standard room.
Cnr Surfers Paradise Blvd & Hanlan Street, Surfers Paradise. Phone +61 7 5579 3499
sales@cyspr.com.au www.marriott.com.au
Gold Coast International Hotel
$145 for a single Mountain River View Room.
7 Staghorn Ave Surfers Paradise.
Phone + 61 7 5584 1242
res@gci.com.au www.gci.com.au
Legends Hotel Gold Coast
$140 for a standard room.
Cnr Gold Coast Hwy & Laycock St Surfers Paradise
Phone +61 7 5588 7884
relax@legendshotel.com.au

Travel Information
Ashmore is 24 km north of the Gold Coast Airport and 80 km south of Brisbane Airport.

For guests travelling to and from Brisbane, the Gold Coast is connected to Brisbane by a rail service. Catch the "AirTrain" direct from Brisbane Airport. The Nerang Rail Station is five minutes drive from the Resort in Ashmore.

The resort offers a complimentary shuttle service loop to Surfers Paradise, Jupiters Casino and Pacific Fair Shopping Centre.

Post Conference Options
Friday 20th April 2007
Ambrose Golf Challenge 2.00 pm - 5.00 pm
Royal Pines is famous for its championship golf course! Everyone is welcome for this event - no prior golf experience necessary. Beginners and experts alike will enjoy this friendly competition. The challenge will be followed by refreshments and the presentation of prizes.

Holden Performance V8 Supercar Driving and Racecar workshop tour 1.30 pm - 5.00 pm
Ever wondered what it feels like to drive a V8 Supercar around a track at 150kph? Board the bus from the resort to nearby Omeau, where you will be introduced to the V8 Supercars and learn about how they’re made and how they’re raced. Then, suit up in the full fireproof gear and drive a few laps yourself!

An instructor will be in the passenger’s seat - but you’re in control! You’ll then change places and see - and feel - how the pros drive. This activity also includes the Paul Morris V8 Workshop Tour, a certificate, a souvenir cap, refreshments and bus return.

Drinks with the Tigers at Dreamworld 6.00 pm - 8.30 pm
After golf or a relaxing afternoon, hop on a bus for a trip to Dreamworld in Coomera, about 20 minutes north of the resort.

The theme park is closed to the public at this time of day, but our group has special privileges. Walk through to Tiger Island and enjoy drinks and nibbles while you watch the tigers interact with their keepers, hear about their behaviour and activities, and watch them go through their paces. If conditions suit (i.e., tiger moods!), a tiger will be brought out and guests may experience the thrill of actually petting this majestic jungle king. Guests also receive a souvenir of their visit.

SATURDAY 21st April 2007
Breakfast with the Dolphins at SeaWorld 7.30 am - 9.30 am
Early risers will board a bus for a short ride to SeaWorld in Main Beach, about 20 minutes from the resort and just north of Surfers Paradise and be welcomed into the park - closed to the public at this hour - for a hot breakfast by the dolphin lagoons. Watch the dolphins interact with their trainers and each other, and learn about these intelligent mammals’ capabilities. Next, you will have the opportunity to meet a dolphin in waist depth water for an educational, dolphin pat and photograph! You’ll then change places and see - and feel - how the pros drive.

This activity also includes the Paul Morris V8 Workshop Tour, a certificate, a souvenir cap, refreshments and bus return. All delegates and exhibitors will receive discount coupons for a variety of the local theme parks and attractions, courtesy of Warner Village Theme Parks & Dreamworld.

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# Programme, Composites Australia - Composites CRC 2007 Annual Conference & Exhibition

## Wednesday 18th April - Wednesday 18th April - Wednesday 18th April - Wednesday 18th April - Wednesday 18th April

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7.00</td>
<td>Welcome drinks function - sponsored by Magnum Venus Plastech Venue,</td>
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<td></td>
<td>The Hydrate Bar, Crowne Plaza Royal Pines Hotel</td>
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## Thursday 19th April - Thursday 19th April - Thursday 19th April - Thursday 19th April - Thursday 19th April

### Conference

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7.30</td>
<td>CONFERENCE DELEGATES REGISTRATION</td>
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<tr>
<td>8.30</td>
<td>Norm Watt, President, Composites Australia Inc, and Murray Scott,</td>
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<td>CEO, Composites CRC</td>
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<td>8.45</td>
<td>Gary Fenlon, Parliamentary Secretary to the Minister for State</td>
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<td></td>
<td>Development, Employment &amp; Industrial Relations</td>
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<td>9.00</td>
<td>Bob Lacovara, ACMA (U.S.) - The Shape of Future Composites</td>
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<tr>
<td>9.30</td>
<td>Anthony Vizzini, SAMPE (U.S.) - SAMPE's Emerging Technologies</td>
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<tr>
<td>10.00</td>
<td>Bobbie Cook, CANZ (N.Z.) - The Composites Industry in New Zealand</td>
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### Demonstrations

<table>
<thead>
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<tbody>
<tr>
<td>10.30</td>
<td>Jacques Rohen of Earth Composites demonstrating &quot;Vubonite&quot; the New</td>
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<td></td>
<td>Composite Resin - 30 minutes</td>
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<tr>
<td>10.30</td>
<td>MORNING TEA - served at the rear of the Prince Room</td>
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<td></td>
<td>(conference delegates &amp; exhibition booth staff only)</td>
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<tr>
<td>10.45</td>
<td>Larry Nunes of Valspar Australia demonstrating &quot;RTM Lite&quot; - 30</td>
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<td>minutes</td>
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<tr>
<td>11.00</td>
<td>Alan Crosky, UNSW - Wood Plastic Composites</td>
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<tr>
<td>11.30</td>
<td>Steve Georgiadis, Hawker de Havilland - Bird-strike Simulation for</td>
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<tr>
<td></td>
<td>Certification Boeing 787 Wing Trailing Edge Devices</td>
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<tr>
<td>11.30</td>
<td>Brian Jones, High Modulus - A Study of the Variability of Spray</td>
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<tr>
<td></td>
<td>Roving Laminates</td>
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<td>12.00</td>
<td>Julien Fabreguette, Australian Aerospace - Structural Composite</td>
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<td></td>
<td>Repair</td>
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<tr>
<td>12.30</td>
<td>George Barton of Chem-Trend Australia demonstrating &quot;Mould Release</td>
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<tr>
<td></td>
<td>Systems for RTM/RTM-Lite&quot; - 30 minutes</td>
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<td>1.30</td>
<td>Nigel St John, DSTO - Fibre Reinforced Composites for Naval</td>
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<td>Applications</td>
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<tr>
<td>2.00</td>
<td>David Whittaker, Thales – Phenolic Ventilation Ducting for the Marine</td>
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<td></td>
<td>Environment</td>
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<td>2.00</td>
<td>Glenn Campbell, NORAC (U.S.) - New Initiator Products help</td>
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<td>'new' application Technology shape the Composites Industry</td>
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<td>2.30</td>
<td>Bruce Cartwright, Pacific ESI - Analysis of the Impact of Composite</td>
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<td>Structures on Water</td>
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<td>2.30</td>
<td>Don Wincek, Glas Craft (U.S.) - Gel-Coat Spraying – Features,</td>
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<td>Advantages, Benefits</td>
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<td>3.00</td>
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<td>3.00</td>
<td>AFTERNOON TEA - served at the rear of the Prince Room</td>
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<td>3.30</td>
<td>Debes Bhattacharyya, Uni. of Auckland (N.Z.) - Polymer Composites</td>
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<td>with Inferently Generated Micro-/Nano-Fibrils</td>
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<tr>
<td>3.30</td>
<td>Michael Ruby, Glas Craft (U.S.) - Establishment &amp; Management of</td>
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<td>Effective Distributor-based Sales Channels</td>
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<td>4.00</td>
<td>Stephanie Feith, RMIT - Making Composites Safe in Fire</td>
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<tr>
<td>4.00</td>
<td>Andy Rusnak, ACMA (U.S.) - Reaching Your Customers, Same Ole? New</td>
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<td>Paradigm? Or, a Little of Both? A Forum for Manufacturers</td>
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<td>4.25</td>
<td>Arthur Rendell, Regina Glass - Beneath the Surface</td>
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4.30 Panel session, OH&S  
Chairman: Rick Milne - Meeting your workplace health & safety obligations  
Panel: Errol Conroy, Bob Lacovara - The Latest Research on Styrene Emissions – Understanding the emissions mechanism

5.30 PRE-DINNER DRINKS

7.00 POOL-SIDE QUEENSLAND BBQ DINNER - Royal Pines Pool Area, (conference delegates & registered guests)

F R I D A Y  2 0 T H  A P R I L - F R I D A Y  2 0 T H  A P R I L - F R I D A Y  2 0 T H  A P R I L - F R I D A Y  2 0 T H  A P R I L - F R I D A Y  2 0 T H  A P R I L

SUPPLIERS SESSION

8.30 Brian Wardle, MIT (U.S.) - Nano-Engineered Advanced Composites for Aerospace Applications
8.30 Guy Schindler, Airtech (U.S.) - Vacuum Bagging Material Selection and "Value Added "Services
8.40 Jacques Rohen, Earth Composites - "VUBONITE" the new incombustible composite matrix

8.55 Pavel Faigl, USQ - Plant based resins for fibre composites
8.55 Peter Clowes, JFR Australia - Spray Application of Syntactic Cores

9.00 Ian Snowden, Marbocote (U.K.) - New Developments in Release Agent Technologies
9.00 Larry Nunes, Valspar Australia - XLA PLUS – The Next Generation of High Performance Gel Coat

9.45 Charles Tur, Magnum Venus Plastech (U.S.) - The Evolution of Light RTM
9.45 Hank Van Herk, Exel Composites - Going Global
9.45 Riviera tour returns

MORNING TEA - served at the rear of the Prince Room (conference delegates & exhibition booth staff only) 

10.35 MORNING TEA - served at the rear of the Prince Room (conference delegates & exhibition booth staff only) 

Monarch Room

11.00 Panel Session, Skills Development & Staff Retention  
Chairman: Gerard Murphy, CA Education & Employment Officer  
Co Chairman: Michael Bannister, Education Manager Composites CRC  
Presentation: Jayne Mark, Accessing Funding for Training & Employment  
Presentation: Bob Lacovara, ACMA - Why Your Management Methods Will Change – A look at generational differences  
Presentation: Grant Pearce, Exel - Incentive Systems in the Workplace

12.30 Closing Remarks - Norm Watt, President Composites Australia Inc, and Murray Scott, Composites CRC CEO

1.00 LUNCH - served at the rear of the Prince Room (conference delegates & exhibition booth staff only) 

2.00 AMBROSE GOLF CHALLENGE – registered delegates to Tee off  
1.30 SUPER V-8 DRIVING – Bus to take delegates to track

6.00 DRINKS WITH THE TIGERS AT DREAMWORLD – Bus to take delegates