On behalf of Composites Australia and our supporters, SAMPE and the Engineers Australia technical society - the Advanced Composites Structures Society (ACSS) – it is my pleasure to invite you to the 2016 Advanced Composites Innovation Conference to be held in Melbourne on 13 and 14 April.

This is an opportunity to advance your knowledge and your business, joining the conversation with industry leaders and researchers at the forefront of new and emerging trends in composites. Speakers are coming from across Australia, Asia, the Americas, Europe and the Middle East.

Look inside this brochure to see the growing list of stimulating presentations and papers covering every aspect of the composites value chain.

Speaker highlights include:

- Mr Andrew Stevens, chair of the newly established Advanced Manufacturing Growth Centre
- Dr Leslie Jay Cohen, Senior Vice President, New Business Development & Strategic Technology with HITCO Carbon Composites
- Mr Paul Marks, founder and chairman of advanced composite materials supplier Argosy International Inc
- Mr Michael Kemp, General Manager, Wagners CFT Manufacturing
- Dipl.-Ing Andreas de Palmenaer, head of the carbon fibre research group with the Institut für Textiltechnik RWTH Aachen University
- Mr Sean McKay, President and Chief Executive of Canada’s Composites Innovation Centre

Also, don’t miss Dr Rik Heslehurst’s pre-conference workshop on Tuesday 12 April.

Plus, there’s plenty of time for networking and conducting business at the five-star Pullman Melbourne on the Park and at the conference dinner at Melbourne’s famous MCG.

See inside for program details and reserve your seat without delay! I look forward to welcoming you and your colleagues on Tuesday 12 April, 2016 for the welcome reception.

Kerryn Caulfield
Executive Director
Composites Australia
DELEGATE INFORMATION

Please copy this form for each registration and fax back to +61 3 9421 5516

Organisation: ___________________________ Country: ___________________________

Address: ___________________________ Name: ___________________________

Country: ___________________________ Title: ___________________________

Email: ___________________________ Phone: ___________________________

Dietary: ___________________________

Partner/spouse's name, if accompanying: ___________________________

REGISTRATION OPTIONS

<table>
<thead>
<tr>
<th>AMOUNT PER PERSON</th>
<th>NO. OF REGISTRATIONS</th>
<th>SUBTOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONFERENCE PACKAGE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Conference Sessions: Wednesday 13 &amp; Thursday 14 April</td>
<td>$710*</td>
<td>$</td>
</tr>
<tr>
<td>• Lunch, morning and afternoon teas</td>
<td>$910</td>
<td></td>
</tr>
<tr>
<td>• Welcome Drinks on 12 April and Conference Dinner 13 April</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WORKSHOP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Understanding, Developing and Predicting the Unique Capabilities of Composites Includes lunch and afternoon tea</td>
<td>$195</td>
<td></td>
</tr>
<tr>
<td>STUDENT PACKAGE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Includes same as Conference Package, but does NOT include Conference Dinner or the Welcome Reception Note: applies to full-time students only. Student ID required</td>
<td>$220</td>
<td></td>
</tr>
<tr>
<td>CONFERENCE DINNER GUEST (ADD ON)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bring along your spouse, partner, business associates, staff and colleagues. This option is for guests and non-delegates, and to add on to delegate packages which do not include dinner. Note: one dinner ticket is included in the full conference package registration.</td>
<td>$125</td>
<td></td>
</tr>
<tr>
<td>INVITED PRESENTERS (SECOND DAY)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For presenters who are not in the Peer Reviewed Stream to attend the day on which they are not presenting</td>
<td>$200</td>
<td></td>
</tr>
</tbody>
</table>

* Applies to financial members of Composites Australia, ACSS and CANZ

TOTAL: $

PAYMENT

☐ Cheque enclosed (payable to Composites Australia)

☐ Direct credit to Composites Australia

Commonwealth Bank Branch: Ringwood VIC BSB: 063-167 A/C: 1019 2685 Payment Date _/__/__

Please email a copy of the payment receipt to admin@compositesaustralia.com.au

☐ Credit card (circle type) ☐ Mastercard ☐ Visa

Expiry date _/__/__

Cardholder's Name ___________________________

Cardholder’s Signature ___________________________

Composites Australia
ABN 28 611 244 813 Registered Association #YO 9504-23
17 Rooney Street, Richmond Victoria 3121 Australia
P: +613 9429 9884 F: +613 9421 5516
W: www.compositesconference.com.au
E: admin@compositesaustralia.com.au

REFUND POLICY

Cancellations/withdrawals received after 5pm AEST 11 March 2016 will not be refunded however registrations may be transferred on request.

PRIVACY POLICY

Composites Australia does not release personal information to other organisations, except where legally required.

DISCLAIMER

More presentations are to come and a full program will follow. The organiser has made every attempt to ensure the information is correct at time of publishing. Any part of the program and event is subject to change. Composites Australia is not liable for any loss or expense incurred.

Register online at www.compositesconference.com.au

For more information, contact Anna Civiti | T: 03 9429 9884 | F: 03 9421 5516 | E: admin@compositesaustralia.com.au

WWW.COMPOSITESCONFERENCE.COM.AU
PROGRAM & SPEAKERS

PROGRAM OUTLINE

TUESDAY 12 APRIL

Workshop:
Understanding, Developing and Predicting the Unique Capabilities of Composites
12.30pm - 4.00pm
This technology workshop will be presented by highly respected composites engineering consultant and educator, Dr Rik Heslehurst.

Welcome Reception
6.30pm to 8.30pm
The welcome reception will be held at the Pullman Melbourne on the Park in the Stradbroke Foyer. Dress code: Neat casual

WEDNESDAY 13 AND THURSDAY 14 APRIL

Conference Proceedings
Start times: Wednesday at 8.30am and Thursday at 8.45am
Speakers and topics listed below.

Conference Dinner
Wednesday 13 April
6.30pm onwards
This is to be held at the Melbourne Cricket Ground (MCG) in the AFL Dining Room. This is a short walk from the conference venue. Dress code: smart casual

SPEAKERS & TOPICS

Official opening
The Hon. Lily D'Ambrosio MP, Minister for Industry, Minister for Energy and Resources

Welcome
Ms Genelle Coghlan, President of Composites Australia

Keynote
Dr Leslie Jay Cohen, Senior Vice President, New Business Development & Strategic Technology, HITCO Carbon Composites
The People and Process to Manufacture Hardware

Keynote
Mr Paul Marks, Chairman and CEO, Argosys International
The Aerospace Composite Material Supply Chain – A New Paradigm to meet Industry Needs in a Disruptive Business Environment

Plenary
Mr Andrew Stevens, Chairman, Advanced Manufacturing Growth Centre Ltd
Advanced Manufacturing - Towards Increased Competitiveness and Growth

Industry Presentations
Michael Kemp, General Manager - Engineering and Business Development, Wagners CFT Manufacturing
Eliminating Corrosion in the Top End with Composite Materials – Design, Supply and Installation of the Cooktown Wharf

Andreas De Palmenaer, Head of Carbon Fibre Research, Institut für Textiltechnik RWTH Aachen University
Standard or Tailor-Made Carbon Fibres, What Will be the Future for the Carbon Fibre Market?

Yew-Chin Koay, Team Leader – Structural Technology and Assets, VicRoads
In Pursuit of Innovative Infrastructure Solutions – The VicRoads Perspective

Rod Martin, Manager, NDT Equipment P/L
Non Destructive Testing Composites

Russell Varley, Team Leader, CSIRO Manufacturing
New Matrix Resins for High Performance Composites

John Flett, Head of Innovation & Strategy, Gordon Institute of TAFE
Skilling for Composite Materials – an accredited course to meet industry needs

Brownyn Fox, Director, Factory of the Future, Swinburne University of Technology
The Factory of the Future

Bill Humphries, Intellectual Property Manager, University of Melbourne
Composites for Prefabricated Housing

Sean McKay, President and CEO, Composites Innovation Centre
Composites Recycling: An Innovative Approach to the Enigma

Rick Heslehurst, Director and President, Heslehurst and Associates P/L
What to Consider When Machining and Joining Composite Materials

Alain Michout, Director and CEO, M51 Advanced Composites Training and Resources Inc
Technical Training – An Investment is Future Growth and Profit

Bill Shelley, Technical Services Co ordinator, University of Canberra
Planting the Composites 'Seed' in Student

Florence Coman, Managing Director, FCST
Novel Preforms for Innovative Composites Use and an Example of Preform Simulation

Dean Smith, Director, Ivanhoe Business Consulting
R&D Tax Incentive Programme

CONFERENCE DINNER Wednesday 13 April 6.30pm onwards
This is to be held at the Melbourne Cricket Ground (MCG) in the AFL Dining Room. This is a short walk from the conference venue. Dress code: smart casual
**Technical Presentations**

Mahzabin Afroz, PhD Candidate, RMIT University  
*Numerical Simulation of Flexure Strength of Steel Fibre Reinforced HVFA Concrete by Finite Element Analysis*

Jasim Ahamed, PhD Candidate, RMIT University  
*Hybrid Composite Ply Joints for High Performance Aircraft Structures*  
*Not peer reviewed*

Abdullah Alhuthali, Head of Physics Department, Taif University  
*Effect of Prolonged Water Absorption on Mechanical Properties in Cellulose Fibre Reinforced Vinyl-Ester Composites*  
*Poster*

Nazar Aljabaar, PhD Candidate, Monash University  
*Test Investigations on UHM-CFRP Strengthening of Central Inclined Cracked Steel Plates with High Damage Level*

Maedeh Armipour, PhD Candidate, The University of Auckland  
*Elastic Deformation of Functionality Graded Thick Plates with In-Plane Stiffness Variation*

Khashayar Badiei, PhD Candidate, Deakin University  
*Mathematical Analysis of Carbon Fiber Stabilization Process*

Kathleen Manson Beggs, PhD Student, Deakin University  
*Surface Modification of Carbon Fibre to Enhance Interfacial Adhesion*

Tanmay Bhat, PhD Candidate, RMIT University  
*Tensile Properties of Natural Fibres and Natural Fibre – Polymer Composites in Fire*

Daniel Borrie, PhD Student, Monash University  
*Durability of CFRP/Steel Systems, after Exposure to Elevated Temperature Seawater and Fatigue*

Erwan Castanet, PhD Candidate, Deakin University  
*Natural Bamboo Fibre Treated with PEG-PLA as a Coupling Agent to Reinforced PLA Bio-Composites*

Andreas De Palmenaer, Research Associate, Institut für Textiltechnik RWTH Aachen University  
*Microwave Heating for Thermoplastic Composites*

Marc Fette, Scientific Officer/Doctorial Candidate and R&D Engineer  
*Hybrid Sheet Moulding Compound Technologies for the Aircraft Production of the Future*

Crystal Forrester, Aircraft Structural Integrity Engineer, Defence Science and Technology Group  
*Assessing Unseen Damage: F/A-18 Hornet Outer Wing StAtic Testing (HOWSAT) Programme Composite Skin Impact Test Assessment*

Gelayol Golkar, PhD Candidate, Deakin University  
*Intelligent Systems in Oxidative Stabilization of Carbon Fibre Production Process*

Fareeda Hayeeye, PhD Student, Prince of Songkla University  
*The Novel Biosorbent for Adsorption Study of Rhodamine B*  
*Not peer reviewed*

Rik Heslehurst, Director and President, Heslehurst and Associates P/L  
*Laminate Strength Reduction due to Delaminations Under Tensile Loading*

Everson Kandare, Senior Lecturer, RMIT University  
*On the Fatigue and Impact Resistance of Fibre-Metal-Laminates (FML’s) Reinforced with Flax Fibres*

Akbar Khatibi, Associate Professor, RMIT University  
*Can the Hybridization of Flax-Polymer Composites with Metallic Alloys Enable Their Adoption in Structural Engineering Applications?*

Kamyan Shirvani Moghadam, PhD Candidate, Deakin University  
*Selective Localization of Polycrylonitrile on Multiwalled Carbon Nanotubes*

Asintha Nanayakkara, Aerospace Engineer, Fortburn Pty Ltd / DSTO  
*Fatigue Failure Characterisation of a Thick Composite Hydrofoil*

Adrian Orifici, Associate Professor, RMIT University  
*Bio-inspired Metal-Composite Hybrid Joints*

Memoon Sattar, PhD Student, Prince of Songkla University  
*Study of Rhodamine B Sorption on the New Adsorbent*  
*Not peer reviewed*

Shakar Ullah Chowdhury, PhD Student, UNSW  
*Damage Identification in Stiffened Composite Panels using ERA/NExT: Simulated Approach*

Lei Xie, PhD Candidate, Monash University  
*Experimental and Numerical Investigations on Pultruded GFRP SHS Columns Under Axial Compression*

---

*The iconic Melbourne Cricket Ground is the venue for the conference dinner*