

Pick 'N' Place

◆ Issue Number 69

July 2011 ◆

[“SMCBA Electronics Design & Manufacture Conference 2011” and “Electronex 2011”](#)

[Melbourne Park Function Centre](#)
[September 14 - 15](#)

Everything is now set for an exceptional conference and exhibition in Melbourne in September. We have put together a very strong conference program which will cater for designers, engineers, technicians, production managers and supervisors, quality engineers and managers, in fact anyone involved in design, assembly, test or repair of electronics products will benefit from attending.

We have four international experts coming to Australia to present at the conference and three of them are here for the first time.

The keynote presenters are: Matt Kelly Senior Engineer from IBM, Doug Brooks (Ultracard), Susy Webb Senior PCB Designer with Fairfield Nodal and Rick Stanton who is with ProSkill Consultation and Training.

Topics covering “High Reliability Lead Free Assembly and Test”, “Engineering Principles for the non Degreed Engineer and Designer”, “Board Layout for SI and EMI”, “Counterfeit Component Detection and Prevention”, “The Four Categories of Signal Integrity Issues and their Solutions”. “Designing Complex Boards”, “The Science of PCB Stackups” and “High Reliability Hand Soldering, Rework and Repair” will be presented.

The **SMCBA Electronics Design & Manufacture Conference 2011** program can be downloaded from <http://www.smcba.asn.au/SM2011program.pdf>

**EARLY BIRD REGISTRATION CLOSES
AUGUST 8**

[IPC Training and Certification](#)

The next certification courses are:

IPC/WHMA-A-620 training and certification for trainers (Certified IPC Trainers - CIT) and operators (Certified IPC Specialists - CIS) – **5-7 October 2011**

IPC-A-610 training and certification for trainers (Certified IPC Trainers - CIT) and operators (Certified IPC Specialists - CIS) – **10-12 October 2011**

J-STD-001 training and certification for trainers (Certified IPC Trainers – CIT) and operators (Certified IPC Specialists – CIS) – **17-21 October 2011**

IPC-7711 & IPC-7721 training and certification for trainers (Certified IPC Trainers – CIT) and operators (Certified IPC Specialists – CIS) – **24-28 October 2011**

IPC-A-600 training and certification for trainers (Certified IPC Trainers - CIT) and operators (Certified IPC Specialists - CIS) – **14 and 15 October 2011**

Certified Interconnect Design Advanced (CID+) Training and Certification.

When: November 6 to 8, 2011

Where: SMCBA Office

Further Details and Pricing: Contact Andrew Pollock at the SMCBA office – phone 03 9568 0599, Intl. 61 3 9568 0599 or email pollocka@smcba.asn.au

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Australasian Chapter



IPC Training & Certification Centre for
J-STD-001, IPC-A-610, IPC-A-600,
IPC/WHMA-620 & IPC-7711/7721
Certified IPC Designer (CID and CID+)



New Releases:

IPC-7093 – Design and Assembly Process Implementation for Bottom Termination SMT Components – March 2011

IPC-1071 - Best Industry Practices for Intellectual Property Protection in Printed Board Manufacturing – January 2011

IPC-SM-840E – Qualification and Performance Specification for Permanent Solder Mask and Flexible Cover Materials – December 2010

IPC-2221A – Sectional Design Standard for Rigid Organic Printed Boards – December 2010

IPC-9631 – User Guide for IPC-TM-650 Method 2.6.27 Thermal Stress Convection Reflow Simulation – December 2010

IPC-9708 – Test Methods for Characterisation of Printed Board Assembly Pad Cratering – December 2010

Final Draft for Industry Review

IPC-T-50J – Terms and Definitions for Interconnecting and Packaging Electronic Circuits

IPC-CH-65B – Guidelines for Cleaning of Printed Boards and Assemblies

IPC-AJ-820A – Assembly and Joining Handbook

IPC-1758 – Declaration Requirements for Shipping Packing and Packaging

IPC-6018B - Microwave End Product Board Inspection and Test

IPC-7525B – Stencil Design Guidelines

IPC-9850A – Surface Mount Placement Characterisation

Proposed Standards for Ballot

J-STD-001ES – Space Applications Electronic Hardware Addendum to J-STD-001E

IPC-WHMA-A-620AS – IPC/WHMA-A-620A Space Applications Electronic Hardware Addendum



Authorized Distributor

**IPC STANDARDS
AVAILABLE FROM
THE SMCBA**

All IPC standards and training materials are available from the SMCBA

Call **Andrew Pollock** Tel: **(03) 9568 0599**

Intl **61 3 9568 0599** or email

pollocka@smcba.asn.au for price and availability

From The Executive Committee:

At the Annual General Meeting in Sydney on May 5 the Vice President Terry Clitheroe delivered the annual report and the report is on page 5 of this newsletter.

It is with great regret that we advise members of the passing of **Greg Plageman**, former Managing Director of Hawker Richardson.

Greg will be missed by a great number of people in the Electronics Industry. He was passionate about seeing the industry grow and continue to move forward throughout Australia and New Zealand. He was a leader in providing the industry with access to the most up-to-date equipment and technology.

Greg was a strong supporter of the Association from its inception and saw the importance of having an active association to support the industry. If it wasn't for Greg's drive more than 20 years ago and his ongoing enthusiasm and support, the industry would not have its own trade exhibition which continues to service the electronics industry in its new Electronex format.

Greg's obituary is on page 4 of this newsletter.

New Members

Welcome to the following new Members:

Long Distance Technologies

MAS Zengrange (NZ)

MRX Technologies

Planet Innovation

Chris Thorp

Aimee and Ben Nizette

Member Benefits

Website Directories: Benefits of SMCBA corporate membership include the opportunity to provide information on your company's services for our website directories (Assembly Services, Suppliers and Design Services). Please contact the SMCBA office for further information on 03 9568 0599 or email to pollocka@smcba.asn.au

Distribution of Information: When hard copies of the SMT Magazine were mailed out each corporate member had the opportunity to include information on their company's services in the mail out. Now that the SMT Mag is only provided electronically corporate members are able to place a notice in Pick N Place to alert the industry to their news, new products etc

To take advantage of this benefit please send a brief paragraph to us (email preferred) and include any URL information which readers can access for further details.

Member Announcements:

Corporate SMCBA members are able to provide an announcement for each newsletter. If you'd like to take this opportunity please send your information to pollocka@smcba.asn.au

SOLTRONICO

Soltronico is an Australian owned company established in 2010, with the belief, good service can be supplied at fair cost, and with great attitude.

The company was founded by Jose Lopez, who has experience in the electronics industry of more than 25 years, working in Australia and overseas. Jose has an Electrical Engineering Associate Diploma, and knowledge in manufacturing systems such as World Class Manufacturing (WCM), TQC, Just In Time (JIT), and Six Sigma. He also possess extensive troubleshooting and soldering skills.

Our experience working in world class companies sets us apart, as does our knowledge working across different fields of electronics applications, like consumer, gaming, industrial, and mining.

With our experience we can surely provide the solutions for your electronic manufacturing needs.

We are a new EMS company dedicated to provide quality, flexibility, responsiveness, and outstanding customer service.

Contact: Jose Lopez 61 2 4915 1988
www.soltronico.com.au

Crystalaid Manufacture Pty Ltd

Crystalaid Manufacture is proud to announce that on 16 July 2010 it achieved Aerospace Standard AS9100 certification. This achievement reflects the ongoing efforts by the company to attain better and improved quality for the products it delivers to customers. Crystalaid is the only manufacturer in Australia holding Certification at this level for Quality Management Systems in relation to the manufacture of electronics products.

Whilst the company accepts that not every customer will seek to include AS9100 as the baseline quality standard for their particular project the benefit of dealing with a manufacturer who maintains this level of quality management is also passed down to projects managed under our ISO9001:2008 QMS. For customers who require AS9100 as the baseline quality standard it is now available in Australia through Crystalaid.

Crystalaid Manufacture is a 'Build to Print' manufacturer of electronic assemblies with an overall objective of providing certainty in product conformity for customers specifying AS9100 which is not otherwise required by the controls imposed under ISO9001 alone.

Background

AS9100 is a widely adopted and standardized quality management system for the aerospace industry. It was released in October, 1999, by the Society of Automotive Engineers and the European Association of Aerospace Industries. It replaces the earlier AS9000 and fully incorporates the entirety of the current version of ISO 9000, while adding additional requirements relating to quality and safety. Major aerospace manufacturers and suppliers worldwide require compliance and/or registration to AS9100 as a condition of doing business with them.

Next Phase of Growth

Crystalaid Manufacture recently signed up to the SC21 program and is committed to achieving NADCAP and Space Qualification in 2011. Please do not hesitate to contact us if we can be of assistance with your future electronics projects.

Gerald Parker

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VALE
GREGORY CARROLL PLAGEMAN
1945-2011

Gregory Carroll Plageman was born in 1945 and became an icon in the Electronics industry world wide. He passed away on June 10th 2011 after a two year battle with cancer. He leaves behind six children, five grandchildren and loving wife Elke.

Greg had been involved with Hawker Richardson since 1988 when he started with the company as EPS National Sales Manager in the Melbourne office in Hawthorn. He later purchased the company in 2000 and relocated the head office to Altona North where his son Robert Plageman is carrying on the business today.

Greg lived a very full life. From humble beginnings, he became a small business owner, ambulance driver, rodeo cowboy, electronics technician at NASA and a farmer, just to mention a few of his endeavours. Greg was the driving force behind Hawker Richardson, bringing the company where it is today and setting up a strong foundation for the future. The passion, enthusiasm and dedication he showed for Hawker Richardson and its staff was mirrored by his great devotion to his family. He was a loving father and husband whose greatest pleasure was to spend time with his wife and children.

Greg adapted his same life values and principles into his business which is why Hawker Richardson has become so successful over the years. Due to his extensive travel within Australia and New Zealand and around the world, Greg earned the respect of his peers, employees, suppliers and customers alike. He treated everyone fairly and with the respect that they deserved. He was an ambassador to the Electronics Industry in Australia and around the world.

Greg Plageman was an inspirational role model, his influence on the industry will be well regarded for many years and the impact on those who knew him will be remembered forever.



Greg addressing the November 1990 Electronics Industry meeting to endorse the amalgamation of the ASMTA with the PCB Industry Group and name change to the Surface Mount and Circuit Board Association

Greg was a strong supporter of the Association from its inception and saw the importance of having an active association to support the industry. If it wasn't for Greg's drive more than 20 years ago and his ongoing enthusiasm and support, the industry would not have its own trade exhibition which continues to service the electronics industry.

PRESIDENTS REPORT FOR 2010

I am pleased to provide this report to the Annual General Meeting for 2010 of the Surface Mount and Circuit Board Association.

2010 was again a difficult year for all businesses and organisations but I am pleased to report that the SMCBA performed very well throughout the year. It continued to succeed in meeting the industry's needs with an excellent Conference and Electronex Exhibition here at ATP in September and as many as 20 IPC Training and Certification Programs conducted in-house and at SMCBA headquarters in Melbourne. A very successful round of IPC Training and Certification programs was conducted in Malaysia in December when the SMCBA partnered with SGM Management Group to deliver the IPC programs.

The Conference this year in Melbourne promises to be every bit as good as our past conferences with four international presenters coming to Australia and the great news is that three of the speakers have not been here before. The international speakers who will be joining us in September in Melbourne are Susie Webb, Matt Kelly, Doug Brooks and Rick Stanton and they will be sharing the most up to date material on PCB design, engineering and electronics manufacturing. Details are available from the SMCBA website in the Whats New Column on the homepage.

I would like to thank our 2010 Electronex sponsors whose support helps us to bring international experts to Australia for our conference. Those sponsors are:

Consolidated Alloys, Dayang OMS, Embedded Logic Solutions, Entech Electronics, GPC Electronics, Machinery Forum, OnBoard Solutions and Satcam-RTD Circuit Designs

I'd also like to take this opportunity to thank the sponsors for Electronex in 2011:

Assembly Specialists, Embedded Logic Solutions, Entech Electronics, GPC Electronics, Machinery Forum, National Instruments, OnBoard Solutions and Satcam-RTD Circuit Designs

I would like to thank the Executive Committee for their support over the past year, our IPC trainers Terry Clitheroe, Ken Galvin, Andy Kowalewski and Leon Fonstin and in particular Andrew and Dianne for their efforts in effectively managing the Association throughout 2010.

Finally I wish all members well for the future and would encourage everyone to again get behind "Electronex" in Melbourne in September and continue to support your Association.

Steve Tebbutt
President
SMCBA