IRRIGATION AUSTRALIA’S 2013 REGIONAL CONFERENCE
SHARING IRRIGATION KNOWLEDGE FOR BETTER OUTCOMES

CONFERENCE HANDBOOK

GRIFFITH EXIES CLUB 28-30 MAY 2013
GRIFFITH, NEW SOUTH WALES

#IAL2013 or @IrrigationAus
Facebook.com/Irrigation-Australia

www.irrigation.org.au
Membership INFORMATION

OUR MEMBERS
IAL's extensive membership comes from the entire Irrigation Value Chain such as irrigators to water providers and water user groups, water supply authorities, consultants, designers, installers, contractors, manufacturers, suppliers, retailers, local, state and federal government departments and service industry companies.

BENEFITS – “It pays to belong”

REPRESENTATION
- IAL is the national body that represents the irrigation industry
- IAL is able to represent members’ interests, both collectively and individually, where they are consistent with IAL policy, the Strategic Plan and Code of Conduct
- Representation at Local, State and Federal level
- Introductions and facilitation of business contacts and opportunities both within Australia and overseas
- Use of IAL Logo on company material
- Individuals, end users, water user groups, water supply authorities, consultants, designers, installers and contractors, manufacturers, suppliers, retailers, local, state and federal government departments and service industry companies with an interest in the irrigation industry are eligible to join

TRAINING AND CERTIFICATION
- Member rates for all certification programs including the internationally recognised Certified Irrigation Designer program.
- Member rates and preferential enrolment in IAL run or endorsed training events and programs
- Employees of member companies are entitled to member rates for all services
- Assistance with staff training and access to training incentives at State and Federal level

TRADE OPPORTUNITIES
- Members (other than Category A members) receive a free listing on IAL’s online Products and Services directory
- Discounted advertising rates in Irrigation Australia
- Preferential opportunity for feature articles and information in Irrigation Australia and Backwash
- Discounted rates and preferential positioning for exhibition stands at ‘Irrigation Australia’, the biennial exhibition of IAL and the largest irrigation related event in the southern hemisphere
- Discounted rates at IAL’s Annual Conference
- Early notification of industry event and government initiatives

ACCESS TO INFORMATION
- As an IAL member you receive information, support and news, can attend seminars and conferences at reduced rates and have access to our certification programs and other professional development opportunities
- Free subscription to Irrigation Australia, the quarterly journal of IAL and the most authoritative irrigation related journal in Australia (value $88)
- Free subscription to Backwash, the monthly e-newsletter with the latest in industry news and opportunities
- Access to the network of industry contacts and information held by IAL membership, the most comprehensive irrigation network in Australia
- Access to overseas irrigation networks through ICID and our affiliation with Irrigation Associations around the world

Please visit www.irrigation.org.au or phone 02 8335 4000 for further information.

MISSION
IAL will lead the development of a professional irrigation industry embracing best practice to underpin healthy, sustainable urban and rural communities and lifestyles.

VISION
“As the respected peak national organisation representing the Australian irrigation industry, Irrigation Australia will add value to members by:
- Bringing together, in fellowship and a united voice, all members of the irrigation industry;
- Actively fostering a viable and sustainable irrigation industry to support community interests, needs and activities; and
- Being the prime source and provider of irrigation related knowledge for Australian stakeholders”.

www.irrigation.org.au
Dear Industry Colleagues,

On behalf of Irrigation Australia Limited, welcome to our 2013 Regional Conference ‘Sharing irrigation knowledge for better outcomes’, which is being held in Griffith NSW, from May 28-30.

Please join us in welcoming Duane Findley to his first conference as CEO, who has recently taken over the role from Ian Atkinson. During the next few days, Duane would like to hear your thoughts on IAL and the services which our organisation delivers.

It’s fantastic to see the Regional Conference return to a grassroots irrigation area and one of the most productive food bowls in Australia – the Murrumbidgee Irrigation Area. Following the success of the 2011 regional event in Launceston, Tasmania, we have headed inland to one of the oldest irrigation regions. Griffith, its irrigators and associated companies, have much to offer in the way of innovation and success in this industry. We will hear from a range of Australian experts during the conference, as well as our keynote international speaker – Dr Brent Clothier. As our theme indicates, we anticipate better outcomes for our industry through sharing our knowledge.

Duane and I look forward to meeting members and those delegates who are new to the industry or the IAL conference. This event is designed to provide valuable insights and information on the latest technologies and irrigation practice developments both in Australia and internationally. The IAL conference brings a cross section of the industry together, providing an ideal learning opportunity as well as chance to meet and network with others in this field. Previous conferences have been extremely successful for attendees and we anticipate significant benefits from this year’s event.

On behalf of IAL, we hope you enjoy the conference, irrigation tours and events, and encourage you to sample some of the MIA’s high quality food and wine during your stay.

Ian Moorhouse
Board Chair, Irrigation Australia Limited
On behalf of the Conference Organising Committee, I would like to welcome you to Griffith, the Murrumbidgee Irrigation Area and the IAL Regional Conference: ‘Sharing irrigation knowledge for better outcomes’.

This is a wonderful opportunity to be part of a conference that helps shape our industry and outlines the major issues we face. Our committee has worked diligently to develop an insightful conference and workshop program that involves a range of experts and relevant topics to our industry. There is also the chance to see first-hand some of the agribusinesses in the MIA which rely on irrigation, and view the innovation and efficiency measures being undertaken in this region.

The MIA recently celebrated its 100th anniversary, recognising the importance of water to thriving local communities. From its early pioneering days, the MIA has grown into a significant food producing area with a focus on sustainability and efficiency. Over the past 100 years, we have learned much about the management of irrigation water and hope to share some of that knowledge during the next few days. We also hope you will take the opportunity to experience Griffith’s multicultural influences by trying some of our superb food and wine.

Thank you for your attendance at the conference, I hope you have a rewarding time and I look forward to meeting you during the course of the event.

Iva Quarisa
Conference Chair
Duane Findley is the Chief Executive Officer of Irrigation Australia Limited and has an extensive management background across a range of industries.

Before joining IAL in April 2013, Mr Findley was the Group General Manager, Business Services at the Housing Industry Association Limited where he was involved in creating and driving the growth strategies for key business units.

He has also worked for Sydney Airport Corporation in a Project Management position related to critical long-term infrastructure projects; and led National Business Development – Clients and Industries – for PriceWaterhouse Coopers Australia.

Mr Findley has held previous roles with Australia Business Limited and NSW Freight Rail/FreightCorp. He is a highly skilled general manager with expertise in team leadership, financial management and operational improvements.
Organising Committee
Ian Moorhouse, Chair Irrigation Australia Ltd Board
Andrew Kelly, Get Connected Consulting
Iva Quarisa, NSW Department of Primary Industries
Ian Atkinson, Nature Foundation SA
Karen Simpson, PHL Surveyors
Karen Hutchinson, Murrumbidgee Irrigation
Austin Evans, Coleambally Irrigation

Professional Conference Organiser
Sauce Communications
Phone: 02 6953 7382
Website: www.saucecommunications.com.au
Email: angela@saucecommunications.com.au

Images courtesy of:
- Brett Naseby Creative
- Comdain Infrastructure
- Elizabeth Stott
- Griffith City Council
- Irrigation Australia Limited
- Murrumbidgee Irrigation
- Ningana Enterprises
- Vince Bucello
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Tuesday 28 May 2013:

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Venue</th>
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</thead>
<tbody>
<tr>
<td>5:00pm – 6:00pm</td>
<td>Irrigation Australia General Meeting</td>
<td>Exies, Mirrool Room 3</td>
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<tr>
<td>6:00pm – 8:00pm</td>
<td>Outpost Central Welcome Reception – Opening of Exhibition</td>
<td>Exies, Mirrool Room 1</td>
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### Wednesday 29 May 2013:

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Venue</th>
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</thead>
<tbody>
<tr>
<td>8:30am–8:35am</td>
<td>Welcome from Conference Chair – Iva Quarisa</td>
<td>Gemini Function Centre</td>
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<tr>
<td>8:35am–8:40am</td>
<td>Welcome to Griffith – Brett Stonestreet, Griffith City Council</td>
<td>Gemini Function Centre</td>
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<tr>
<td>8:40am–9:00am</td>
<td>Welcome from Irrigation Australia CEO, Duane Findley</td>
<td>Gemini Function Centre</td>
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<tr>
<td>9:00am–9:30am</td>
<td>NSW Office of Water Commissioner, David Harriss speaking on Basin Plan Implementation</td>
<td>Gemini Function Centre</td>
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<tr>
<td>9:30am–10:00am</td>
<td>Environmental Irrigation – John Foster, Commonwealth Environmental Water Office</td>
<td>Gemini Function Centre</td>
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<tr>
<td>10:00am–10:30am</td>
<td>Reducing the Water Footprint of Irrigated Agriculture – Dr Brent Clothier, New Zealand Institute for Plant and Food Research</td>
<td>Gemini Function Centre</td>
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<tr>
<td>10:30am–11:10am</td>
<td>Morning Tea – Relocate to Exies</td>
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<tr>
<td>11:10am–12:30pm</td>
<td><strong>Session 1</strong> – Standards and Codes of Practice SIG</td>
<td>Ibis Room</td>
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<td></td>
<td><strong>Session 2</strong> – Irrigation Water Suppliers SIG</td>
<td>Alfresco Room</td>
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<td></td>
<td><strong>Session 3</strong> – Irrigation Science</td>
<td>Mirrool Room 2</td>
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<td><strong>Session 4</strong> – Irrigation Farming Stream</td>
<td>Mirrool Room 3</td>
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<tr>
<td>Facilitator:</td>
<td>Tony Kanaris, Chairman, IAL Standards Working Group</td>
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<tr>
<td>Facilitator:</td>
<td>Andrew Kelly, Get Connected Consultancy</td>
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<td>Facilitator:</td>
<td>Anne-Maree Boland, IAL Board Member</td>
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<td>Facilitator:</td>
<td>Michael Grabham, NSW Department of Primary Industries</td>
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<td>Facilitator:</td>
<td>Jay Murray, Milrea Pastoral Company NIPSI Travel Recipient.</td>
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<tr>
<td>Facilitator:</td>
<td>Dr John Bennett, University of Southern Queensland</td>
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<tr>
<td>Facilitator:</td>
<td>Rob Rendell, RM Consulting Group</td>
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<td></td>
<td>Karen Murday, Qld Department of Natural Resources and Mines</td>
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<td></td>
<td>Pat Daley, Daley’s Water Services Importance of Standards &amp; Codes of Practice to Growers and Training.</td>
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<td></td>
<td>Geoffrey Enever, Goulburn-Murray Water Transforming GMW Business whilst Modernising our Irrigation Delivery System.</td>
<td>Gemini Function Centre</td>
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<td></td>
<td>Des Whitfield, NSW Department of Primary Industries</td>
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<td></td>
<td>Michael Scobie, University of Southern Queensland</td>
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<td></td>
<td>Rabi Maskey, VIC Department of Primary Industries</td>
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<td></td>
<td>Gavin McMahon, Central Irrigation Trust Energy tariffs and what it means to irrigation companies.</td>
<td>Gemini Function Centre</td>
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<td></td>
<td>Terry Flynn and Penny Winbanks Southern Rural Water Bringing groundwater to the surface.</td>
<td>Gemini Function Centre</td>
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<tr>
<td></td>
<td>Rob Rendell, RM Consulting Group Fast flow and modernisation – what is possible?</td>
<td>Gemini Function Centre</td>
</tr>
<tr>
<td>12:30pm–1:40pm</td>
<td>Xylem Lunch, Exies, Mirrool Room 1</td>
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<tr>
<td>Time</td>
<td>Session 5 – Centre Pivot and Lateral Move SIG</td>
<td>Session 6 – Drip Irrigation SIG</td>
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<tr>
<td>1.40pm–3.00pm</td>
<td>Alfresco Room</td>
<td>Mirrool Room 3</td>
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<tr>
<td></td>
<td>Facilitator: Debbie Atkins, IAL Training Manager</td>
<td>Facilitator: Peter Durand, Netafim</td>
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<tr>
<td></td>
<td>Peter Smith, NSW Department of Primary Industries Water and energy efficiency of centre pivots on dairies.</td>
<td>Shahbaz Mushtaq, Southern Queensland University Strategies for reducing the pressure requirements of drip systems. Case Study – Mark Vogel, Irrigation Specialists, Leeton.</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Workshop 2 – IA Committee on Irrigation Drainage (IACID)</th>
<th>Workshop 3 – Design Software</th>
<th>Workshop 4 – Building on Irrigation’s Image</th>
<th>Workshop 5 – Mobility Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.00pm–3.30pm</td>
<td>Alfresco Room</td>
<td>Mirrool Room 3</td>
<td>Mirrool Room 2</td>
<td>Ibis Room</td>
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<td></td>
<td>Facilitator: Willem Vlotman, Chairman of IACID</td>
<td>Facilitator: Brett Polkinghorne, PHL Surveyors</td>
<td>Facilitator: Peter Hayes, IAL Board Member</td>
<td>Facilitator: Vern Costelow, IAL Board Member</td>
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<td></td>
<td>Please refer to Workshop Overview on pages 15-19 for further details.</td>
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<thead>
<tr>
<th>Time</th>
<th>Workshop 6 – Mobility Solutions</th>
<th>Workshop 7 – Certification of Professionals</th>
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<tbody>
<tr>
<td>5.30–6.30pm</td>
<td>AWMA Water Control Solutions Happy Hour</td>
<td>Griffith Bus Tour</td>
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<td></td>
<td>Exies, Mirrool Room 1</td>
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<thead>
<tr>
<th>Time</th>
<th>Session 8 – Griffith Bus Tour</th>
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<tr>
<td>7.30pm–Midnight</td>
<td>Bagtown Inn</td>
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### Thursday 30 May 2013:

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 9 – Best Practice Surface Irrigation SIG</th>
<th>Session 10 – On Farm Modernisation</th>
<th>Session 11 – Irrigation Water Supplies</th>
<th>Session 12 – Coleambally Bus Tour</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.00am-10.40am</td>
<td>Mirrool Room 3</td>
<td>Mirrool Room 2</td>
<td>Alfresco Room</td>
<td>Coleambally Bus Tour</td>
</tr>
<tr>
<td>Facilitator:</td>
<td>Sam North, NSW Department of Primary Industries</td>
<td>Mike Ridley, Coleambally Irrigation</td>
<td>Ian Moorhouse, IAL Board Chair</td>
<td>Austin Evans, Coleambally Irrigation</td>
</tr>
<tr>
<td>Dallas Stott</td>
<td>Modernising on-farm surface irrigation in the rice industry. A farmer’s perspective.</td>
<td>Charles Thompson, RM Consulting Group Quantifying the benefits of Irrigation Modernisation in the GMID.</td>
<td>Alex Marshall, Comdain Infrastructure Modernisation of Irrigation Schemes including Channel Lining.</td>
<td>Continues until 12:30pm</td>
</tr>
<tr>
<td>Dr Lance Pendergast,</td>
<td>Department of Agriculture, Fisheries and Forestry Modernising on-farm surface irrigation in the cotton industry. A researcher’s perspective.</td>
<td>Matthew Plunkett, Damien Doyle and Peter Conasch, NSW Department of Primary Industries WaterSmart Farms - an ‘On Farm’ Irrigation Modernisation Success Story!</td>
<td>Dan Coutts, SunWater Ord Stage 2.</td>
<td></td>
</tr>
<tr>
<td>Prof. Rod Smith,</td>
<td>University of Southern Queensland Automation and real time optimisation. Managing time to cut-off.</td>
<td>Daryl Gibbs, Ricegrowers’ Association of Australia On Farm Irrigation Efficiency Program (OFIEP).</td>
<td>Chris Green, Murrumbidgee Irrigation Lake View Branch Canal, Murrumbidgee Irrigation: Selecting the re-lining option.</td>
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<tr>
<td>Peter Moller, Rubicon Water</td>
<td>Essential elements of precision surface irrigation.</td>
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<tr>
<td>Terry Batey,</td>
<td>VIC Department of Primary Industries</td>
<td>Better ways to share ideas. Modernising how we communicate.</td>
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<thead>
<tr>
<th>Time</th>
<th>Morning Tea</th>
<th>Exies, Mirrool Room 1</th>
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<tbody>
<tr>
<td>Time</td>
<td>Session 13 – Irrigation Science and Practice</td>
<td>Session 14 – Governance Issues</td>
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<tr>
<td>11.10am-12.30pm</td>
<td>Mirrool Room 2</td>
<td>Alfresco Room</td>
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<tr>
<td>Facilitator:</td>
<td>Colin Campbell, IAL Board Member</td>
<td>Anne-Maree Boland, IAL Board Member</td>
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<td>Michael Grabham, NSW Department of Primary Industries</td>
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<td></td>
<td>Bankless Channel Irrigation.</td>
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<tr>
<td>Phil Szabo,</td>
<td>University of Southern Queensland</td>
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<td></td>
<td>Development of a pump efficiency monitor for use in cotton irrigation.</td>
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<tr>
<td>Adrian Piani,</td>
<td>URS Australia Pty Ltd</td>
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<td></td>
<td>Reflections on the Basin Plan and Challenges for the Future.</td>
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<tr>
<td>12.30pm-1.30pm</td>
<td>Greenworks/Lining Solutions Lunch</td>
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<td></td>
<td>Exies, Mirrool Room 1</td>
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<tr>
<td>1.30pm-3.00pm</td>
<td>Panel Session - Sharing Irrigation Knowledge for Better Outcomes - Mirrool Rooms 2 &amp; 3</td>
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<td>MC: TBC</td>
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<td></td>
<td>Panellists: Dr Brent Clothier (Science), John Hornbuckle (Global), John Culleton (Delivery) and Kaye Dalton (Environment)</td>
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<tr>
<td>3.00pm-3.05pm</td>
<td>Conference closed</td>
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<td></td>
<td>Exies, Mirrool Rooms 2 and 3</td>
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<tr>
<td>3.05pm-3.30pm</td>
<td>Afternoon Tea</td>
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<td>Exies, Mirrool Room 1</td>
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</table>
Wednesday 29 May, 2013 - 1.40pm-3.00pm

Workshop 1 - Potential for Improved Certification of Professionals in the Irrigation Industry

Organiser/Facilitator: - Simon Cowland-Cooper, IAL Board Member; Gennaro Velotti, Chair of IAL Certification Board and Dr John Blackwell.

The irrigation industry is comprised of Domestic, Industrial, Commercial and Agricultural sectors. We should, as the leading national industry group, define what competencies and qualifications each trade stream in each sector should have as a minimum requirement to be deemed a tradesman / professional in our industry.

The irrigation industry is comprised of Domestic, Industrial, Commercial and Agricultural sectors. We should, as the leading national industry group, define what competencies and qualifications each trade stream in each sector should have as a minimum requirement to be deemed a tradesman / professional in our industry.

The industry needs to review and define the qualifications required to attain our own internal standards, particularly relating to design and installation. We would then have an industry standard to present to the relative government and regulatory bodies, whilst further developing an industry accepted framework.

The acceptance of our standards by these bodies would follow later with some hard work and lobbying. Government usually has money available for training and IAL should endeavour to make use of this funding.

In summary, IAL needs to define the competencies that our industry requires and accepts. We need to promote that to all. That way we have something tangible to offer the membership. This session, being held in Griffith which is a major irrigation area, is a good place to start such a review, utilising opinions from various regional representatives.

Program

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<tr>
<th>Program</th>
<th>Time</th>
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<tbody>
<tr>
<td>Welcome and Introduction - Dr John Blackwell - Facilitator</td>
<td>5 mins</td>
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<tr>
<td>Speaker 1 - Peter Chadband, Chair of SEQ Region</td>
<td>10 mins</td>
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<tr>
<td>Speaker 2 - Gennaro Velotti - Chair of IAL Certification Board</td>
<td>5 mins</td>
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<tr>
<td>Speaker 3 - Peter Hayes - Chair of IAL Professional Development &amp; Training</td>
<td>5 mins</td>
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<tr>
<td>Speaker 4 - Tony Kanaris - Chair of IAL Standards Working Group</td>
<td>5 mins</td>
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<tr>
<td>Speaker 5 - Pat Daley - Irrigation Consultant, Darling Downs</td>
<td>5 mins</td>
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<tr>
<td>Speaker 6 - Ben Chapman - Irrigation Contractor, Member of IAL Cert Board</td>
<td>5 mins</td>
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<tr>
<td>Q &amp; A session including above participants with Facilitator. Audience participation will be encouraged.</td>
<td>25 mins</td>
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<tr>
<td>Wind up of proceedings - develop motion for presentation to IAL Board</td>
<td>15 mins</td>
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</table>
**WORKSHOP OVERVIEW**

**Wednesday 29 May, 2013 - 3.30pm-5.30pm**

Workshop 2 - Irrigation Australia Committee on Irrigation Drainage (IACID)

**Organiser/Facilitator:** Willem F. Vlotman, Chairman IACID, Vice President ICID 2009 -2012, Chairman WG-DRG.

**Main target audience:** IAL membership, equipment suppliers, researchers, water managers.

IAL emerged from ANCID and IAA. Our international links to the world of irrigation, drainage and flood control was embodied by ANCID. The international Commission on Irrigation and Drainage (ICID) is organised via national committees; ANCID and now IAL=> IACID. ICID via its website and its network contains access to a wealth of information on Integrated Water Resource Management with emphasis in recent years on irrigation and flood management. You can contribute to ICIDs mission; this workshop will explain how. IACID is our link with opportunities in international business, knowledge dissemination, and acquisition of the latest technologies. This workshop is intended to start reinvigorating Australia’s involvement with ICID. How this is best done is up to the attendees. In ICID work body tradition, the workshop will also contain one or two technical presentations.

### Program

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<tr>
<th>Program</th>
<th>Time</th>
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<tbody>
<tr>
<td>Welcome and Introduction of ICID – Willem F. Vlotman</td>
<td>20 mins</td>
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<td>• ICID mission, Work bodies; who can be a member?</td>
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<td>• Guide to ICID’s Website and Publications</td>
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<tr>
<td>What ICID/IACID can mean for you; what IAL can facilitate – Willem F. Vlotman</td>
<td>10 mins</td>
</tr>
<tr>
<td>• Network, Resource, Knowledge dissemination opportunities, work body membership; IACID’s Terms of Reference.</td>
<td></td>
</tr>
<tr>
<td>What you can contribute to ICID/IACID – Discussion leader – Willem F. Vlotman</td>
<td>30 mins</td>
</tr>
<tr>
<td>• Discussion</td>
<td></td>
</tr>
<tr>
<td>IAL-SIG reports and possible linkages internationally – various reporters</td>
<td>15 mins</td>
</tr>
<tr>
<td>• Irrigation Water Suppliers</td>
<td></td>
</tr>
<tr>
<td>• Centre Pivot and Lateral Move</td>
<td></td>
</tr>
<tr>
<td>• Drip Irrigation</td>
<td></td>
</tr>
<tr>
<td>• Irrigation Equipment Suppliers International</td>
<td></td>
</tr>
<tr>
<td>• Reports from other streams</td>
<td></td>
</tr>
<tr>
<td>AWA – Rural water and linkage with IACID - Adrian Piani</td>
<td>5 mins</td>
</tr>
<tr>
<td>Technical Presentation</td>
<td>15 mins</td>
</tr>
<tr>
<td>• Multi-level subsurface drainage – John Hornbuckle</td>
<td></td>
</tr>
<tr>
<td>Technical Presentation</td>
<td>15 mins</td>
</tr>
<tr>
<td>• Flood control and management in Australia – Willem F. Vlotman</td>
<td></td>
</tr>
<tr>
<td>Recap and action items – reporter (new CEO)</td>
<td>10 mins</td>
</tr>
<tr>
<td>• Work body inputs for consideration and membership ICID work bodies</td>
<td></td>
</tr>
</tbody>
</table>
Wednesday 29 May, 2013 - 3.30pm-5.30pm

Workshop 3 - Design Software

Organiser/Facilitator: Brett Polkinghorne, PHL Surveyors

Main target audience: Irrigation Designers (+Irrigators, Managers & Installers).

An overview of the latest software available to assist with irrigation designs for surface, pressurised, drip and centre pivot irrigation systems

<table>
<thead>
<tr>
<th>Program</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome and Introduction – Brett Polkinghorne</td>
<td>5 mins</td>
</tr>
<tr>
<td>Briefly indicate the components to be discussed</td>
<td></td>
</tr>
<tr>
<td>Site Leveller – Andrew English, Civil Survey Solutions</td>
<td>25 mins</td>
</tr>
<tr>
<td>• AutoCAD Civil 3D and Site Leveller provide a comprehensive set of</td>
<td></td>
</tr>
<tr>
<td>site regrading tools for the irrigation industry – you can</td>
<td></td>
</tr>
<tr>
<td>automatically create, grade and edit bays, create surfaces and</td>
<td></td>
</tr>
<tr>
<td>calculate volumes inclusive of topsoil removal and reinstatement.</td>
<td></td>
</tr>
<tr>
<td>Multiple bays can be created simultaneously and regrading can</td>
<td></td>
</tr>
<tr>
<td>occur across the site. In-built optimisation tools allow you to</td>
<td></td>
</tr>
<tr>
<td>automatically optimise volume outputs by adjusting the bay levels,</td>
<td></td>
</tr>
<tr>
<td>grades or grade directions.</td>
<td></td>
</tr>
<tr>
<td>Questions and comments</td>
<td>5 mins</td>
</tr>
<tr>
<td>Irricad – Kosi Kalogernis, Netafim</td>
<td>25 mins</td>
</tr>
<tr>
<td>• IRRICAD is a stand alone, graphically based, computer aided design</td>
<td></td>
</tr>
<tr>
<td>package developed specifically for designing pressurised irrigation</td>
<td></td>
</tr>
<tr>
<td>or water supply systems. IRRICAD is far more than a drawing package</td>
<td></td>
</tr>
<tr>
<td>because it combines the advantages of CAD drawing with powerful</td>
<td></td>
</tr>
<tr>
<td>hydraulic pipe sizing and network analysis techniques, and also</td>
<td></td>
</tr>
<tr>
<td>provides automatic selection of pipe fittings thereby generating a</td>
<td></td>
</tr>
<tr>
<td>complete bill of materials.</td>
<td></td>
</tr>
<tr>
<td>Questions and comments</td>
<td>5 mins</td>
</tr>
<tr>
<td>Aquaflow – Pat Daley, Daley’s Water Service</td>
<td>25 mins</td>
</tr>
<tr>
<td>• AQUAFLOW is a computer aided design program developed to assist in</td>
<td></td>
</tr>
<tr>
<td>designing agricultural irrigation systems. It will help create site</td>
<td></td>
</tr>
<tr>
<td>plans from either GPS data or aerial images. It has a focus on</td>
<td></td>
</tr>
<tr>
<td>Centre Pivots, Lateral Moves, K-Line systems, Travelling Irrigators</td>
<td></td>
</tr>
<tr>
<td>and Water Transfer Pipelines. Additional tools/calculators include:</td>
<td></td>
</tr>
<tr>
<td>Flow and Application, Diesel Selection and Running Cost, Electric</td>
<td></td>
</tr>
<tr>
<td>Running Cost, NPSHA for Suction Pipe Design, Economic Analysis,</td>
<td></td>
</tr>
<tr>
<td>Pipeline Hydraulic Gradient and DEM Elevations.</td>
<td></td>
</tr>
<tr>
<td>Questions and comments</td>
<td>5 mins</td>
</tr>
<tr>
<td>Discussion facilitated by Brett Polkinghorne and close</td>
<td>25 mins</td>
</tr>
</tbody>
</table>
The environmental and social expectations of irrigation will remain elevated and our industry’s standing will be further challenged in an era of heightened citizen reporting, activist interest and social media. The public remains relatively uninformed and unappreciative of our society’s fundamental reliance on irrigation or the value it contributes to the amenity of our living environments, the production of diverse food, ornamentals and fibre and to the quality of recreational venues across our country. Further challenges will be experienced as each of these, together with the environment, compete for scarce resources in the future; each will require better acquittal of their respective demands for access and accounting for effective use of the resource. Specific effort will be needed to plan and manage communications and public relations especially in contested or disputed situations and events.

This workshop will allow exploration of approaches to managing the image of irrigation, anticipating challenges and crises, and to initiate strategic planning for future possible scenarios with likely public interest impacts.

<table>
<thead>
<tr>
<th>Program</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome and Introduction - Peter Hayes</td>
<td>5 mins</td>
</tr>
<tr>
<td>The workshop will be framed around a few key speakers introducing a topic or theme, with potential case studies. It shall then rely on engagement of participants with presenters and each other to develop responses to each challenge.</td>
<td></td>
</tr>
<tr>
<td>TBC</td>
<td>15 mins</td>
</tr>
<tr>
<td>Media’s approach to incident and event reporting; attitude to public interest and developing issues; do rural and metropolitan audiences have different perceptions and expectation of irrigation in food supply/amenity and recreation ‘vis a vis’ environmental pressures?</td>
<td></td>
</tr>
<tr>
<td>Dr Brent Clothier, New Zealand Institute for Plant and Food Research</td>
<td>20 mins</td>
</tr>
<tr>
<td>Developing an industry position and optimising engagement with media and PR influencers;</td>
<td></td>
</tr>
<tr>
<td>• Industry and community awareness of current events and outcomes</td>
<td></td>
</tr>
<tr>
<td>• Sensitively handling actual or perceived adverse events</td>
<td></td>
</tr>
<tr>
<td>• Balancing longer-term strategic objectives and short-term issues</td>
<td></td>
</tr>
<tr>
<td>Kelvin Montagu, Colo Consulting</td>
<td>20 mins</td>
</tr>
<tr>
<td>• Promoting awareness and delivering outcomes from large-scale often steady uptake projects; retaining interest, minimising impatience and audience fatigue</td>
<td></td>
</tr>
<tr>
<td>John Foster, Commonwealth Environmental Water Office</td>
<td>20 mins</td>
</tr>
<tr>
<td>• Managing and presenting complex, multi-factor and conflicting issues, perceptions and stories</td>
<td></td>
</tr>
<tr>
<td>• Are production amenity and environmental objectives always in conflict?</td>
<td></td>
</tr>
<tr>
<td>• Expectations of environmental water use efficiency and effectiveness and related accountability/reporting</td>
<td></td>
</tr>
<tr>
<td>TBC</td>
<td>15 mins</td>
</tr>
<tr>
<td>Traditional public media and emerging social media</td>
<td></td>
</tr>
<tr>
<td>• Should approaches differ?</td>
<td></td>
</tr>
<tr>
<td>• How to optimise delivery and engagement</td>
<td></td>
</tr>
<tr>
<td>Summary, conclusions and recommendations for further analysis and development</td>
<td>25 mins</td>
</tr>
</tbody>
</table>
WORKSHOP OVERVIEW

Wednesday 29 May, 2013 - 3.30pm-5.30pm

Workshop 5 - Mobility Solutions

Organiser/ Facilitator: Vern Costelow, IAL Board Member

Main target audience: Regional, national and international (irrigation and producer/user) industry leadership; water companies, irrigation service and equipment companies.

This session is for water providers and water users to hear what type of technologies are available and what is being used in other areas.

Mobilisation covers the technologies available for providers to communicate not only with the irrigation systems, but customers and users.

There are so many options and different ideas of how business and science can work together for irrigation and water management.

<table>
<thead>
<tr>
<th>Program</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome and Introduction - Vern Costelow</td>
<td>5 mins</td>
</tr>
<tr>
<td>Briefly indicate the components to be discussed</td>
<td></td>
</tr>
<tr>
<td>Computer Aided River Management (CARM) Project – David Andersen, State Water</td>
<td>20 mins</td>
</tr>
<tr>
<td>Questions and comments</td>
<td>5 mins</td>
</tr>
<tr>
<td>Questions and comments</td>
<td>5 mins</td>
</tr>
<tr>
<td>Variation in landscape resources and production performance: Capture, evaluation and management applications – Dean Lanyon, MWH Australia</td>
<td>20 mins</td>
</tr>
<tr>
<td>Questions and comments</td>
<td>5 mins</td>
</tr>
<tr>
<td>Customer Communication in Pumped Rural Irrigation Districts – Alisa Willis, Lower Murray Water</td>
<td>20 mins</td>
</tr>
<tr>
<td>Questions and comments</td>
<td>5 mins</td>
</tr>
<tr>
<td>Discussion facilitated by Vern Costelow and close</td>
<td>15 mins</td>
</tr>
</tbody>
</table>
Experience the vast range of irrigation industries which operate in the Griffith area, and view first-hand their innovative technologies and impressive production facilities. Visit one of the region’s pioneering vegetable farms; Leeton’s Walnuts Australia orchard; and the newest cotton gin in southern NSW.

Tour Guide: Alan Brink

A packed lunch will be provided.

<table>
<thead>
<tr>
<th>Program</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depart Griffith Exies Club</td>
<td>12.30pm</td>
</tr>
<tr>
<td>Arrive at Walnuts Australia, Tabbita – walnut orchard, hulling and drying facility</td>
<td>1.15pm</td>
</tr>
<tr>
<td>Depart Walnuts Australia Farm for Amaro’s Vegetable Farm</td>
<td>1.45pm</td>
</tr>
<tr>
<td>Arrive at Amaro’s Vegetable Farm, Nericon – a third generation farming operation which pioneered large-scale tomato growing</td>
<td>2.30pm</td>
</tr>
<tr>
<td>Depart Amaro’s Vegetable Farm for Southern Cotton Gin</td>
<td>3.15pm</td>
</tr>
<tr>
<td>Arrive at Southern Cotton Gin, Whitton – opened in 2012 to cater for the growing cotton industry in the MIA</td>
<td>4.15pm</td>
</tr>
<tr>
<td>Depart Southern Cotton Gin for Exies Club</td>
<td>5.05pm</td>
</tr>
<tr>
<td>Arrive Griffith Exies Club for Happy Hour</td>
<td>5.35pm</td>
</tr>
</tbody>
</table>
The Coleambally Irrigation Area is one of the most efficient irrigation areas in Australia, demonstrating sophisticated farm layouts and systems. Visit the region’s experimental demonstration farm to see these techniques in action; and tour modern irrigation infrastructure.

Tour Guide: Austin Evans, Coleambally Irrigation

<table>
<thead>
<tr>
<th>Program</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depart Griffith Exies Club</td>
<td>9.00am</td>
</tr>
<tr>
<td>Arrive Murrumbidgee Shire Community Experimental Demonstration Farm</td>
<td>9.45am</td>
</tr>
<tr>
<td>Depart Demonstration Farm for Anderson Road Regulator</td>
<td>10.15am</td>
</tr>
<tr>
<td>Arrive Anderson Road Regulator – view outlet and regulator, and hear</td>
<td>10.30am</td>
</tr>
<tr>
<td>a demonstration from Groundwater Imaging regarding seepage from</td>
<td></td>
</tr>
<tr>
<td>channels</td>
<td></td>
</tr>
<tr>
<td>Depart Anderson Road Regulator for Tubbo Wells Regulator</td>
<td>11.00am</td>
</tr>
<tr>
<td>Arrive Tubbo Wells Regulator – view main canal and future storage</td>
<td>11.25am</td>
</tr>
<tr>
<td>site</td>
<td></td>
</tr>
<tr>
<td>Depart Tubbo Wells Regulator for Griffith Exies Club</td>
<td>11.45am</td>
</tr>
<tr>
<td>Arrive Griffith Exies Club</td>
<td>12.30pm</td>
</tr>
</tbody>
</table>
Dr Brent Clothier is Science Group Leader, Systems Modelling, at the New Zealand Institute for Plant and Food Research Limited.

Dr Clothier has 38 years of research experience and is a published author of research journal articles and books. He is an internationally renowned speaker, having addressed conferences in the US, Spain, Japan and Germany.

Dr Clothier is currently studying soil physics and the theory of water and chemical movement through soil. His research covers irrigation science and the footprinting of primary products for carbon, water, energy, agrichemicals and biodiversity.

A previous research project involved sapflow measurement devices to measure plant transpiration and root uptake of water, and these devices are now in common use around the world.

Dr Clothier has researched tension infiltrometers to measure the unsaturated hydraulic properties of soil; the Growsafe Calculator which provides fit-for-environment pesticide options via a Decision Support Tool; and farm strategies for contaminant management involving nutrient loss limits linked to natural-capital values.

He has also previously held positions at the NZ Life Cycle Management Centre, Institute of Food - Health and Human Nutrition; School of Earth and Environment – University of Western Australia; HortResearch; University of Guelph – Canada; and the CSIRO – Canberra.
**Venue Contact Details**

**Griffith Exies Club**  
Jondaryan Avenue  
Griffith NSW 2680  
**Phone:** 02 6962 1211

Plenary session only will take place at:

**Gemini Function Centre**  
201 – 207 Banna Avenue  
Griffith NSW 2680  
**Phone:** 02 6962 9662

Both venues are a short walk from one another.

**Registration and Enquiry Desk**

All delegates are required to register their attendance and collect their lanyard prior to attending any of the conference sessions or social functions. Lanyards MUST be worn at all times. The registration and enquiry desk will be located at the Griffith Exies Club and will be open at the following times:

- **Tuesday 28 May:** 2:00pm – 8:00pm  
- **Wednesday 29 May:** 7:30am – 6:00pm  
- **Thursday 30 May:** 7:30am – 5:30pm

Please be aware that there will be no registration desk at the Gemini Function Centre and you will need to make your way to the Griffith Exies Club to register prior to attending the plenary session.

Lanyards are proudly sponsored by Pentair Environmental Systems.

![Map of Griffith, NSW](image-url)
**Dress Code / Clothing**

Smart casual is the standard dress for the conference and social functions.

**Speakers**

All presenters must check in with the registration desk, 30 minutes prior to the start of the session in which they are speaking. Presentations should be submitted to Sauce Communications prior to the conference, unless other arrangements have been made.

**Session Timing**

In order to keep sessions running to time, delegates are asked to make their way to the next chosen session as soon as the previous session concludes.

**Session Selection**

A list can be found by the registration desk. Please ensure that you stick to the selections chosen in the registration process to ensure that the room can accommodate the required amount of people.

**Mobile Phones**

Please ensure that your mobile phone is turned off or placed on silent whilst in session.

**Special Requirements**

All refreshment breaks will be served within the exhibition. A catering station for those with special meal requirements will be available outside the exhibition room.

Lunch on Wednesday is proudly sponsored by Xylem.

Lunch on Thursday is proudly sponsored by Greenworks/Lining Solutions.

**Conference Proceedings and Presentations**

Each delegate will receive a USB during the conference registration process.

The USB is proudly sponsored by Grundfos.

Final conference papers and presentations will be uploaded onto the Irrigation Australia website post conference.

**Conference Satchels**

Each delegate will receive a Conference satchel during the Conference registration process.

The Conference satchel is proudly sponsored by Comdain Infrastructure.
Outpost Central Welcome Reception

The Welcome Reception will be held within the trade exhibition, located in Mirrool Room 1 of the Griffith Exies Club on Tuesday 28 May from 6:00pm – 8:00pm.

This is a ticketed event. You will need to register and collect your lanyard prior to entering the function. To avoid queues, please register early.

Welcome Reception is proudly sponsored by Outpost Central.

AWMA Water Control Solutions Happy Hour

Happy Hour will take place on Wednesday 29 May from 6:00pm – 7:00pm within the trade exhibition, located in Mirrool Room 1 of the Griffith Exies Club. All delegates are welcome to attend.

Happy Hour is proudly sponsored by AWMA Water Control Solutions.

Comdain Infrastructure Conference Dinner

The Conference Dinner will be held at the Bagtown Inn from 7:30pm. There will be no allocated seating at this function and delegates are required to bring their ticket for this function.

There will be a free bus pick up and drop off for delegates to make their way to and from the Conference Dinner.

Times are as follows:

- 6:55pm – MIA Motel
- 7:05pm – A-Line Motel and Kidman Wayside Inn (Citrus Motel guests to walk across to the Kidman)
- 7:10pm – Gemini Comfort Inn and the Grand Motel (Hotel Victoria guests to walk to the Grand)
- 7:15pm – Mindon Serviced Apartments
- 7:20pm – Griffith Motor Inn, Acacia Motel and the Centrepoint Apartments (Yambil Inn guests to walk to the Centrepoint)
- 7:30pm – All buses arrive at the Bagtown Inn for the Conference Dinner

Buses will depart from the Conference Dinner at 11:00pm and midnight and transfer delegates back to their motel.

The Conference Dinner is proudly sponsored by Comdain Infrastructure.
Mirrool Room 1
1 Riverina Water Engineering
2 Outpost Central
3 Socco Solar Products
4 Batescrew Pumps
5 Xylem
6 Greenworks/Lining Solutions
7 AWMA Water Control Solutions
8 Pentair
9 Grundfos
10 Rubicon Water

The exhibition will be open to the general public from 9am – 11am on Wednesday 29 May. At all other times, the exhibition is strictly limited to delegates only.
Point. Click. Grow.

Surface irrigation automation from the experts.

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- Metering via pumped or gravity flows
- Suitable for river, channel or groundwater
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RAINMAN IRRIGATION CONTROLLERS
- Trench-free technology
- Solar powered + battery backup
- Set + forget, 24/7 remote programming
Phone Gerry 0427 075 547

PENTAIR
Welcome to Griffith! A city of 26,000 people and located hundreds of kilometres from the nearest capital, with an unmistakable atmosphere of energy and so many unexpected delights!

Thanks to the miracle of irrigation, the agricultural area of Griffith is rich in agriculture as well as great food and wine. The city has grown into a bustling centre where you can relax, indulge and enjoy the unique cosmopolitan experience.

**Hospital:**
Griffith Base Hospital  
Warrambool Street  
Phone: 6969 5555

**Doctor Surgeries:**
Griffith Medical Centre  
1 Animoo Avenue  
Phone: 6964 5888

Griffith Dental and Medical Surgery  
4 Noorebar Avenue  
Phone: 6962 3029

Griffith Aboriginal Medical Service  
Jondaryan Avenue  
Phone: 6964 4533

Kookora Surgery  
134 Kookora Street  
Phone: 6962 1100

Your Health  
105 Binya Street  
Phone: 6962 7661

**Dentists:**
Griffith Dental Lounge  
Shop 1-2, 130 - 140 Banna Avenue (above Best and Less)  
Phone: 6964 6667

Griffith Dental and Medical Surgery  
4 Noorebar Avenue  
Phone: 6962 3029

Riverina Smiles  
2 Palla Street  
Phone: 6964 1888

Yambil Dental Care  
82 Yambil Street  
Phone: 6962 3048

**Emergency Services:**
Griffith Police Station  
41 - 47 Railway Street  
Phone: 6969 4310

Ambulance Station  
Banna Avenue  
Phone: 131 233

Fire Brigade  
11 Jondaryan Avenue  
Phone: 6964 4152

**Transport:**
Griffith Taxis  
Phone: 131 008  
A taxi rank can be found on Banna Avenue, near the Post Office
Griffith Airport
Remembrance Drive
Phone: 6964 5600

Bus Terminal
Located behind the Griffith Visitors Information Centre
Corner of Banna and Jondaryan Avenues
Phone: 6962 7199

Gym and Pool:
Griffith Aquatic and Leisure Centre
16 Wayeela Street
Phone: 6964 7071

Shopping:
- Banna Avenue
- Griffith Central, Yambil Street
- Griffin Plaza, Yambil Street
- Woolworths and Big W complex, Banna Avenue

Restaurants:
Bar One88
188 Banna Avenue
Phone: 6964 8885
Open for dinner from Thursday - Saturday

Belvedere Restaurant & Pizza
494 Banna Avenue
Phone: 6962 1488
Open for lunch and dinner from Tuesday – Sunday

Bombay Palace
453 Banna Avenue
Phone: 6962 5240
Dinner from Monday – Sunday

Boonma Thai Cuisine
453 Banna Ave
Phone: 6964 7415
Open for dinner from Tuesday – Sunday

Happy Dragon Restaurant
408 Banna Avenue
Phone: 6964 1122
Open for lunch and dinner from Monday – Friday and dinner only on Saturday and Sunday

Hello Panda
424 Banna Avenue
Phone: 6964 2828
Open for lunch and dinner from Wednesday – Sunday

Il Corso Café & Pizza Restaurant
232 Banna Avenue
Phone: 6964 4500
Open for lunch and dinner from Monday – Saturday and dinner only on Sunday

La Tavola
188 Banna Avenue
Phone: 6962 7777
Open for lunch and dinner from Monday – Sunday

La Scala
455B Banna Avenue
Phone: 6962 4322
Open for dinner from Tuesday - Saturday

Novus
72 Banna Avenue
Phone: 69645276
Open for lunch and dinner from Tuesday - Friday
Picasso's Restaurant (Gemini Hotel)
201 Banna Avenue
Phone: 6962 9229
Open for dinner from Monday – Friday

Romeo & Giulietta Pizza Restaurant
40 Mackay Avenue
Phone: 6962 7728
Open for dinner from Thursday – Sunday

Tango’s Bar & Grill
239 Banna Avenue
Phone: 6962 7111
Open for lunch and dinner from Monday – Saturday

That Italian Place (Kidman Wayside Inn)
58-72 Jondaryan Avenue
Phone: 6964 5544
Open for dinner from Monday - Saturday

Vita’s Italian Restaurant & Café
252-254 Banna Avenue
Phone: 6962 7999
Open for lunch and dinner from Monday – Saturday

99 Spices
453 Banna Avenue
Phone: 6962 4929
Open for dinner from Tuesday – Sunday

Oval Bistro at the Exies Sports Club
Spiers Street
Phone: 6962 1307
Open for lunch and dinner from Tuesday – Sunday

Griffith Southside Leagues Club
Corner of Bridge Road and Jondaryan Avenue
Phone: 6962 4577
Open for lunch and dinner from Monday – Sunday

Griffith Northside Leagues Club – Tan’s Chinese Restaurant
Wakaden Street
Phone: 6964 7596
Open for dinner from Thursday – Sunday

Hotel Victoria
384 Banna Avenue
Phone: 6962 1299
Open for lunch and dinner from Monday – Saturday

Cafes:

Café Deli
Shop 3/26 Ulong Street
Phone: 6964 5559
Open for breakfast and lunch from Monday – Saturday

Dolce Dolce Pasticceria
449 Banna Avenue Ph 6962 1888
Open for breakfast (9am) and lunch from Wednesday - Sunday

Miei Amici Café
350 Banna Avenue
Phone: 6962 5999
Open for breakfast and lunch from Monday – Saturday

O’Donnell’s
Centrepoint Building, Ulong Street
Phone: 6962 4666
Open for breakfast and lunch from Monday – Friday

Clubs and Bistro’s:

Malcom’s Chinese Restaurant at the Coro Club
20 – 26 Harward Road
Phone: 6964 5203
Open for lunch and dinner from Wednesday – Sunday

Griffith Exies Club
Jondaryan Avenue
Phone: 6962 1211
Open for lunch and dinner from Monday – Sunday
Bakeries:

Bertoldo's Bakery
324 & 150 Banna Avenue
Phone: 6962 3275 & 6962 7928
Open from Monday – Sunday

Driver Country Oven
Shop 11 Driver Shopping Centre
Phone: 6964 5424
Open from Monday – Sunday

Vaccari’s Bakery
6a Probert Avenue
Phone: 6964 3443
Open from Monday – Sunday

Wineries:

Baratto Wines
Farm 674 Murrumbidgee Avenue
Phone: 6963 0171
Open: Tuesday to Thursday 10:00am – 4:00pm, other days by appointment

Berton Vineyards
54 Mirrool Avenue, Yenda
Phone: 6968 1600
Open: Monday to Friday 10:00am – 4:00pm, Saturday 11.00am – 4.00pm

De Bortoli Wines
De Bortoli Rd, Bilbul
Phone: 6966 0111
Open: Monday to Saturday 9:00am – 5:00pm, Sunday 9:00am – 4:00pm

McWilliam’s Hanwood Estate
Jack McWilliam Rd, Hanwood
Phone: 6963 3404
Open: Tuesday to Saturday 10:00am – 4:00pm

Melange Wines
Harward Rd
Phone: 6962 7783
Open: Monday to Sunday from 9:00am – 5:00pm

The Winery (formerly Piromit Wines)
113 Hanwood Ave, Hanwood
Phone: 6963 0200
Open: Monday to Friday 10:00am – 4:00pm, Saturday by appointment

Warburn Estate
700 Kidman Way
Phone: 6963 8300
Open: Monday to Friday 9:00am – 5:00pm, Saturday 10:00am – 4:00pm

Westend Estate
1283 Brayne Rd
Phone: 6969 0800
Open: Monday to Friday 9:00am – 5:00pm, Saturday & Sunday 10:00am – 4:00pm

Yarran Wines
Myall Park Rd, Yenda
Phone: 6968 1125
Open: Monday to Saturday 10:00am – 5:00pm

For all other Griffith information, contact:

Griffith Visitors Information Centre
Corner of Banna and Jondaryan Avenues
Phone: 1800 681 141
Please refer to the Griffith brochure, located in your Conference satchel for a map and details on tourist attractions.
Certification is an important part of managing Australia's water resources.
TOWARDS SUSTAINABLE IRRIGATION

Irrigation Australia is working towards a future for irrigation in Australia where all irrigation systems are:

- developed by Certified Irrigation Designers
- installed by Certified Irrigation Contractors or Installers
- run by Certified Irrigation Operators and Managers, with
- product and advice from Certified Irrigation Retailers and Agronomists.

Program features

Whole of industry. The IAL certification program is a comprehensive industry self-regulation scheme for recognising irrigation professionals covering 7 occupations of designing, contracting, installing, operating, managing, retailing and providing advice.

Voluntary. IAL certification is a voluntary, national program that recognises the minimum skills people should have to perform their job to the satisfaction of water managers and customers.

IAL certification is robust and flexible. It works regardless of irrigation system type, crop grown, region, for both rural and urban areas. The skills can be tailored to suit particular industries.

Sets standards. Certification identifies the minimum requirements of skills and knowledge for people working in these occupations. Certified personnel will have at least 2 or 3 years relevant industry experience, have provided proof of important occupation-specific knowledge and skills and make a commitment to keeping those skills and knowledge updated.

National. Certification can be accessed, and is recognised Australia-wide, for both rural and urban operations.

Currency. The continuing professional development program ensures that those who become certified will keep their skills current. This can be done by taking part in activities such as attending industry events, training or teaching, or by taking a leadership role in the industry through representation and involvement.

Certification is the way to keep the “cowboys” out.

Who will benefit?

Certification identifies irrigation professionals committed to best practice and professionalism of the industry at large. The ability to use certification to recognise and differentiate skilled and committed people will benefit:

Employers - knowledge that staff members who are certified have the skills for the occupation.

Job seekers - certification can provide job seekers with national industry recognition of skills and knowledge, and improved career pathways.

Irrigation businesses - by insisting on using certified personnel they are practising sound risk management.

Project managers – easy identification of skilled industry personnel.

The irrigation industry - more professional as a result of recognising and documenting the skills for each occupation.

The environment – will be better off as well-informed irrigation practice can reduce water use and prevent inappropriate run-off and deep percolation that can damage aquifers and waterways.

Consumers - will know when they use a certified irrigation specialist to install or run their systems, that those people have the skills to install, operate or manage a system efficiently and effectively with the least environmental impact.
Something for everyone

Running the system

CERTIFIED IRRIGATION OPERATOR
- responsible for system start-up, shut down, maintenance and troubleshooting

CERTIFIED IRRIGATION MANAGER
- responsible for how water is to be applied to a crop or area, how much is needed and when it should be applied

Installing the system

CERTIFIED IRRIGATION INSTALLER
- making a living out of installing systems or system upgrades, troubleshooting, carrying out repairs and maintenance

CERTIFIED IRRIGATION CONTRACTOR
- running an irrigation contracting business, managing the installation process post-design with teams of installers

Providing advice

CERTIFIED IRRIGATION AGRONOMIST
- providing advice to end-users on system design, purchase and use, troubleshooting, evaluating and auditing irrigation systems and producing irrigation schedules

CERTIFIED IRRIGATION RETAILER
- advising on and selling irrigation products

Designing the system

Certified Irrigation Designers (CIDs) are professionals who use their knowledge of plants, soils and hydraulics to develop efficient and cost effective irrigation system designs which adequately meet a client’s requirements.

Note: CID is a specialised program – for more information about it you will need to contact the IAL using the information at the end of this brochure or visit the certification webpage at www.irrigation.org.au

How to become certified

Certification is a designation earned by a person to certify that he or she is qualified to perform a job. Certification indicates that the individual has a specific set of knowledge, skills or abilities in the view of the certifying body.

IAL certification requires three things: a stipulated amount of relevant industry experience, a set of skills that are considered the minimum required for working in that particular occupation and a commitment to keeping skills and knowledge current.

Step 1. Documentation of skills and experience from a training provider

Registered training providers are the only organisations that can provide the necessary documentation (called Statements of Attainment) that shows an applicant has met the skills requirements for certification.

To help deliver certification, IAL has formed partnerships with training providers, both public and private, throughout Australia. Some of these organisations specialise in delivery at certain levels such as entry level traineeships, or will focus on a particular industry sector such as agricultural irrigation, production horticulture or amenity horticulture.

For help to find the right training provider for you, contact IAL or visit the website for a complete list at www.irrigation.org.au.

Costs need to be negotiated with the chosen training provider as there is no set cost for this service. Many factors influence this cost such as type of training provider, number of people needing the service and whether the applicant needs training or recognition or a combination of both.

Step 2. Application for certification

Once the applicant has their documentation from the training provider they apply to IAL for certification by filling in an application form and providing evidence that they have the requisite experience and skills to be certified.

Each application form needs to be accompanied by a signed, certified copy of their Statement of Attainment or transcript and the certification fee of $291.50 (members) $423.50 (non-members)

If all the above is supplied, and the applicant’s experience is validated, certification is awarded.

Biennial renewal

To ensure that certified people keep their skills up to date there is a process to renew certification every two years. People will need to show that they have remained active in the industry and have taken steps to keep up to date with new technology and information. Renewal will cost $220 (members) $330 (non-members)
Promoting certification
Each certified person receives an ID card showing which certification they hold and when it expires. They also receive an electronic stamp containing their unique certification number that can be used in advertising.

How to find a training provider
While IAL delivers some training workshops we cannot deliver to everyone everywhere. We encourage applicants to contact one of our training partners to help people to get the skills they need for certification by training or recognition. There is a current list of training providers available from IAL head office or from the IAL website.

More information
There are facts sheets available for each certification in hardcopy and on the website.

For any further information contact:

Irrigation Australia Limited
PO Box 863, Mascot, NSW, 1460
Toll free 1300 949 891
Phone: (02) 8335 4000
Fax: (02) 8335 4099
Email: certification@irrigation.org.au
Web: www.irrigation.org.au (see under Certification)
'Water for life, future for all'
Gold Cost Convention and Exhibition Centre, 2–6 June 2014

The Irrigation Australia Limited (IAL) Conference and Trade Show is the largest irrigation event in the southern hemisphere and is a great chance to network with people from all parts of the irrigation industry, both international and national, and relevant government departments.

The conference will consist of plenary sessions, Q&A debates, workshops and three (3) stream presentations under the general headings of Agriculture, Urban and Academic.

Bus Tours will consist of a choice of daily tours or a two day tour of the Darling Downs. Accommodation packages will also be available for those persons who wish to bring their family along.

The overall program is still in draft stage, but generally will include the following:-

**Monday, 2 June 2014**
Irrigation Australia members business such as Board meeting, Certified Irrigation Professional exams, Regional meetings, SIG meetings, General Members meeting. These events will most likely take place at one of the nearby hotels. There will also be a sponsored Golf Day at a well known local Golf Club.

**Tuesday, 3 June 2014**
Conference commences with a plenary session including key note speaker and opening ceremony. Workshops and stream sessions will also be featured. This will also be bump-in for the Trade Expo. The Welcome Function will be held during the evening.

**Wednesday, 4 June 2014**
A networking opportunity will take place in the Trade Hall during the late afternoon. Trade Expo opens and conference continues. Formal IAL Dinner will take place with a 3 course meal, entertainment and presentation of awards.

**Thursday, 5 June 2014**
A networking opportunity will take place in the Trade Hall during the late afternoon. Trade Expo and conference continues. Trade functions will occur during the evening.

**Friday, 6 June 2014**
This will be bump-out day for the Trade Expo. Bus Tours will also occur.
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