ARRB is pleased to offer a two-day training workshop on the latest practices in the management of unsealed roads including practical aspects during a site inspection. The workshop will encourage group participation, included worked examples, and finish with a field inspection of various unsealed road sites.

Attendance at the popular workshops will be invaluable to learn and share knowledge and experience with other participants.

**PURPOSE**

Key learning outcomes cover both the basics and latest developments in:

- asset management activities, identifying network pinch points, intervention levels for unsealed roads, when to seal?
- appropriate material selection, adapting local materials and pavement design for unsealed roads
- road design for improved road safety, better drainage, and reduced maintenance costs
- maintenance practice, including causes and cures, unsealed shoulder on sealed roads
- environmental considerations including dust, water (sedimentation & erosion), protection (flora & fauna).

**Who should attend?**

Anyone involved in the construction and maintenance of unsealed roads, including:
- local road authority managers, engineers and plant operators
- road consultants (engineers and supervisors)
- road contractors (contract managers, road engineers, supervisors and grader operators)
- local council officers, elected councillors and council CEOs
- forest owners and forestry consultants (operations staff)
- mining companies (operations staff)

**Course materials**

Comprehensive course notes will be provided. However to get even more value from the workshop, delegates are advised to have access to a copy of the 2009 edition of the Unsealed Roads Manual – Guidelines to Good Practice, notes. If you are unable to bring your own copy of the Manual to the workshop, please indicate that you require a Manual on the registration form (at an additional cost of $275 inclusive of GST).

For the field trip component of this course, participants are required to bring:
- high visibility safety vest
- safety boots
- hat, sunglasses and sunscreen or wet weather gear
- clipboard.

**Endorsements**

This course is recognised by Engineers Australia for Continuing Professional Development.

Engineers Australia members can choose to record CPD hours for attendance at this event in their personal CPD logs. Members should refer to Engineers Australia’s CPD policy for details of requirements and conditions.

**Presenters**

Jon Roberts
Principal Research Engineer
ARRB Group

Jon has been engaged for over 30 years exclusively on road projects, in design, construction, maintenance and management across the industry, in Europe, Australia, Africa and Asia. A particular strength of Jon’s experience is his work on low volume roads, including unsealed earth and gravel roads, in remote areas. Jon is a Chartered Professional Engineer and a Member of the Institution of Civil Engineers (UK).

Local guest presenter to be confirmed.
### Unsealed Local Roads

**Canberra | 23 – 24 November 2015**

#### WORKSHOP TIMETABLE

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00 am</td>
<td>Registration, Tea and coffee</td>
<td></td>
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<tr>
<td>8.15 am</td>
<td>Networking opportunity for delegates</td>
<td></td>
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<tr>
<td>9.00 am</td>
<td>Introduction</td>
<td></td>
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<tr>
<td>10.00 am</td>
<td>The BIG Picture: Here’s the network, what next!</td>
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<tr>
<td>11.30 am</td>
<td>Condition of the roads: what state is it in?</td>
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<tr>
<td>12.00 pm</td>
<td>Service delivered: how is it affecting others:</td>
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<tr>
<td>3.45 pm</td>
<td>Final Field trip</td>
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<tr>
<td>3.00 pm</td>
<td>Understanding the network: what have I got?</td>
<td></td>
</tr>
<tr>
<td>4.00 pm</td>
<td>Project Preparation:</td>
<td></td>
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<tr>
<td>5.00 pm</td>
<td>End of day 1</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Day 2</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00 am</td>
<td>Tea and coffee, networking opportunities</td>
<td></td>
</tr>
<tr>
<td>8.15 am</td>
<td>Project Preparation:</td>
<td></td>
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<tr>
<td>9.00 am</td>
<td>Works Delivery:</td>
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<tr>
<td>10.00 am</td>
<td>Morning tea break</td>
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<tr>
<td>10.15 am</td>
<td>Works Delivery:</td>
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<tr>
<td>11.30 am</td>
<td>Lunch break</td>
<td></td>
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<tr>
<td>12.00 pm</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>10.45 am</td>
<td>Local Issues / Case Studies / Trials</td>
<td></td>
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<tr>
<td>3.45 pm</td>
<td>Late afternoon tea break</td>
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<tr>
<td>4.00 pm</td>
<td>Summary, Recap, and Open Forum:</td>
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<tr>
<td>4.30 pm</td>
<td>Workshop concludes</td>
<td></td>
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</tbody>
</table>

#### Fees

- **Full Registration fees**
  - Price pp: $1,610
  - GST: $161
  - Total Cost: $1,771
- **Advanced Booking Registration**
  - **SAVE OVER $450**
  - Price pp: $1,180
  - GST: $118
  - Total Cost: $1,298

*(Advanced Booking Registration closes on 16 October 2015)*

#### How to register

To register for this workshop and make payments please click on the button below.

#### Please note

On receipt of this registration, a confirmation email will be sent to you. If you do not receive confirmation, your registration may not have been processed or received.

#### ARRB’s Privacy Statement

Personal information provided by you may be held on a database and may be shared with others both nationally and internationally. Sometimes your details may be obtained from, or made available to external companies for marketing purposes. If you do not wish us to hold your details, please write to Privacy Officer, ARRB Group, 500 Burwood Highway, Vermont South, Vic 3133 or email on privacy@arrb.com.au if you choose to ask us not to hold your details, we may not be able to provide you with the services you require. A copy of ARRB’s Privacy Policy is available upon request.

#### Cancellations

If you are no longer able to attend this event a substitute attendee may take your place. However, if you wish to cancel your registration a full refund, minus a $220 (incl GST) service fee, will be given provided you have notified us in writing, by email, letter or fax, at least 10 business days before the start of the workshop. No refund is available for cancellations under 10 days.

#### Nationally recognised training

ARRB is progressively obtaining formal accreditation for many of its workshops. [Click here](arrb.com.au) for further information.

#### ARRB Group supports the Helmets for Kids school program

ARRB is committed to the UN Decade of Action for Road Safety, and as part of our commitment, ARRB will donate $25 from every workshop registration to support the Helmets for Kids school program. For further information on ARRB’s involvement visit: [arrb.com.au](arrb.com.au)

For information about the Global Helmet Vaccine Initiative visit: [helmetvaccine.org](helmetvaccine.org)