

# “PRACTICAL ROAD SAFETY ENGINEERING”

*A workshop for safer roads in low and middle-income nations*

**When:** Monday 19<sup>th</sup> to Friday, 23<sup>rd</sup> May 2025 (5 days)

**Where:** Bali Hyatt Regency, Sanur, Bali, Indonesia

Our popular workshop offers practical guidance for safer roads in developing countries. Featuring “real life” black spots and road safety audits from across the beautiful island of Bali (Indonesia), this 5-day workshop presents the theory of road safety engineering and backs it up with practical site inspections of real case studies. The world needs more road safety engineers!

## Who Should Attend?

The workshop will benefit government officers, consultants, contractors, development bank officials, police, academics and others involved in road safety engineering who:

- Are responsible for managing safe roads
- Want to become a road safety auditor or introduce safety audit into their organisation.
- Manage donor (ADB, World Bank, DFAT, JIKA) assisted road projects
- Wish to establish a road safety engineering unit in a road authority
- Need to understand how best to investigate and treat “blackspots”

## Presenters

*Phillip Jordan* – widely respected for his road safety engineering workshops, Phillip has experience from a major road authority in Australia, and more recently from global consulting (SE, South and Central Asia, the Pacific, the Middle East).

*David Nash* – an international expert on traffic signs and line markings, traffic signals and intersection control.

*Ravishankar Rajaraman* – internationally recognised as a leading expert in crash data, and how to best use it in road safety engineering.

Presentations will be in English, delivered to suit the need of attendees for whom English may be a second language. Attendees who successfully complete the workshop may use this workshop towards accreditation as a Road Safety Auditor (see the AUSTRROADS Road Safety Audit guide).



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## Workshop Program (19<sup>th</sup> – 23<sup>rd</sup> May 2025)

### Day 1 Introduction to road safety engineering

- Welcome to the workshop!
- Global road safety issues/ an introduction to Road Safety Engineering
- The “Safe System” in practice
- The importance of good crash data
- Your RSE toolbox – what works, what doesn’t?
- Safer roads for pedestrians
- Safer road signs, line marking and delineation

### Day 2 Blackspot investigations

- Successfully treating hazardous road locations (“Blackspots”)
- Looking for patterns in crash data - preparing collision diagrams and crash factor grids
- Benefit/cost analysis (including the use of Crash Reduction Factors)
- Examples of successfully treated blackspots from around the world
- Safer intersections
- Road safety at road work sites

### Day 3 Road safety audit (theory) and roadside hazard management

- An introduction to road safety audit
- Key steps in an audit
- Managing audits
- The known benefits and costs of road safety audits
- Roadside Hazard Management - what is this and why is it important for your road authority?
- Understanding the clear zone concept and the roadside hazard management strategy

- The three groups of safety barriers - rigid/semi-rigid/flexible barriers. When and how to correctly use them

### Day 4 Road safety engineering - site inspections

- Site inspections of local blackspots. (Learning by seeing and doing in small teams)
- Participants will travel by bus to sites across the island that are known hazardous locations (for blackspot investigations), or are new road projects (for audits)

### Day 5 Road safety engineering - practice

- Team reports on the blackspot investigations and recommended treatments for each site
- Team audit reports to the workshop
- Panel discussion about the key steps ahead to advance safer roads for all
- Key takeaways from the workshop
- Workshop summary, close and presentation of certificates



Presenters - Phillip Jordan and Ravi Rajaraman



## Why hold a road safety engineering workshop in Bali?

- It's an attractive part of a developing country, with a wide range of road users and road safety problems.
- Bali has a major international airport, with daily direct flights to most major Asian and Australian cities.
- Entry to Indonesia is visa free for most nationalities (please check for your country).
- Plenty of blackspots and audit sites within an easy drive.
- Learn by seeing and doing – in one of the world's premier tourist islands. Wow!
- Low cost! A high-quality workshop costs less in Bali, keeping registration fees low.

## Accommodation options

There is a wide range of accommodation available in Sanur as well as in other parts of Bali. We recommend you book early as May/June is a popular time to visit Bali.

## Registration and Inquiries

We welcome early registration (it guarantees your place) and we will be pleased to answer any workshop inquiries you may have. Register/ inquire: [bali@roadsafetyinternational.com](mailto:bali@roadsafetyinternational.com)



## Registration Form

I wish to register for the “Practical Road Safety Engineering” Workshop to be held at the Bali Hyatt Regency, Sanur, Bali (Indonesia) from Monday 19<sup>th</sup> – Friday 23<sup>rd</sup> May 2025.

|   |  |
|---|--|
| Title and Name                                      |  |
| Organisation  |  |
| Email (will used for correspondence)                |  |
| Telephone (incl country code)                       |  |
| Postal Address                                      |  |
| City, Province, Country                             |  |
| Any special dietary requirements?<br>Please detail. |  |

(NOTE: The resort provides an excellent selection of food and will try to accommodate special dietary needs - gluten-free, vegetarian, vegan, halal or other).

### What is included?

The workshop fee (\$2250 USD) includes workshop attendance for all days, morning/afternoon teas and lunch on workshop days, pdf soft copies of all presentations, workshop certificate, and a wide library of road safety engineering manuals and guidelines in soft copy form. Attendees will experience Indonesian traffic and road safety issues firsthand through case studies and site inspections. Participants are responsible for their own accommodation, travel, visa and incidental expenses.

### Payment

Your place in the workshop will be secured on receipt of full payment (\$2250 USD). Please send payment via Electronic Funds Transfer to the *Road Safety International (Phillip Jordan) USD\$* account with:

Commonwealth Bank of Australia, Burke Road, Camberwell, Victoria, Australia  
SWIFT Code            CTBAAU2S  
BSB                      062 – 692  
Account number       31208388

### Conditions of Registration

1. Registration is to be accompanied by full payment.
2. We understand that sometimes it becomes impossible for a registrant to attend a workshop. If this happens, we will refund all money paid provided cancellation is made via email and received by Road Safety International at least 10 working days prior to the start of the workshop. Refunds cannot be granted if a registrant fails to attend the workshop or cancels within 10 working days prior to the workshop.
3. Road Safety International is committed to high quality technical training in road safety engineering and will do all within its power to ensure that the workshop meets the high standards expected. However, RSI reserves the right to alter this program or presenters without notice if necessary to improve any aspect of the workshop.
4. The health and safety of participants and presenters will be paramount. The workshop will follow COVID-safe practices including those required by the Government of Indonesia and those recommended by the workshop venue.

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