

Road Safety *International Pty Ltd* proudly presents

An Introduction to ROAD SAFETY ENGINEERING

- safer roads for rapidly motorising nations

A practical workshop for practitioners

Novotel Bali Nusa Dua Hotel and Residences

Bali, Indonesia

Five days from Monday 8th to Friday 12th September, 2014.



Features of this workshop

Road safety is an increasing problem for many countries around the world, especially those in the developing world that are experiencing rapid growth in motorisation. The UN Decade of Action in Road Safety is highlighting this problem, especially in “middle” and “low” income countries.

The Decade of Action in Road Safety presents a strategic approach to this global problem that is based on five pillars – road safety management, safer roads, safer vehicles, safer road users, and post-crash response. In response to the call to action in this Decade of Action, Road Safety International (RSI) Pty Ltd proudly presents a workshop about designing and managing safer roads that will be practical, interesting and highly informative.

At RSI we recognise that the world is desperately short of experienced road safety engineers, and we want to help to overcome this. This workshop for road safety engineering practitioners (8-12th September in Bali, Indonesia) will be one of our main contributions to road safety in the rapidly motorising world.

- *Location - in a developing country, with its wide mix of road users and safety problems*
- *Venue - in an excellent resort (see www.novotelnusaduabali.com) just 30 minutes from a major international airport, on one of the world's premier tourist islands*
- *Practical – presentations in the morning and site inspections/ case studies in the afternoons*
- *Internationally experienced presenters (with experience in 30+ countries)*
- *Heaps of practical examples from dozens of countries – Asia, Middle East, Eastern Europe, Africa, the Pacific, Australia and North America*
- *Conforms to the AUSTRROADS Road Safety Engineering Course Syllabus*
- *Blackspot investigations, road safety audits, roadside hazard management will be detailed*
- *Emphasis will be on practical solutions that address real problems in emerging countries*

“ROAD SAFETY ENGINEERING – SOLUTIONS FOR SAFER ROADS”
FIVE DAY WORKSHOP, BALI, 8-12TH SEPTEMBER 2014
BY ROAD SAFETY INTERNATIONAL PTY LTD

Featuring real life blackspots and road safety audits from across the beautiful island of Bali (Indonesia), this 5 day workshop will address the critical subject of producing safer roads. It is specifically aimed at engineers, Police and other professionals who are responsible for road safety engineering in the rapidly motorising nations of this world. It will be a practical workshop that will present the theory of road safety engineering and then back it up with site inspections of real case studies on the roads, highways and expressways of Bali, Indonesia.

This workshop will help you to become a road safety engineer who can save lives and prevent road trauma.

It will address the needs of all road users; it will assist participants to develop and improve their knowledge, skills and judgement in all aspects of road safety engineering including:

- Accident investigations (blackspots)
- Roadside hazard management
- Road safety audits

Who should attend?

The workshop has been developed to benefit a range of professionals including middle and senior level professionals, consultants, government officials involved in road safety (now and in the future) and those wishing to;

- Manage road safety inputs into large-scale donor assisted road construction projects
- Discover more about the latest practices in road safety engineering
- Learn about the analysis of crash data and countermeasure development
- Adopt road safety audit in their organization
- Become more aware of “what works in road safety engineering”

All presentations will be in English, delivered by experienced presenters who are aware of the need to accommodate attendees for whom English may be a second language. We expect to welcome attendees from a number of countries; cross border learning from each other will likely be another outcome from this workshop. Maybe some career long professional connections will be made!

Those involved in road safety oriented development assistance funded projects will find this workshop particularly relevant to their needs.

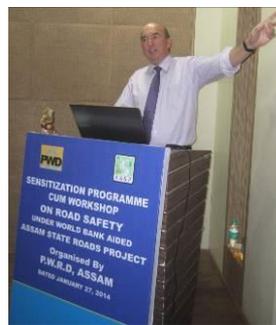


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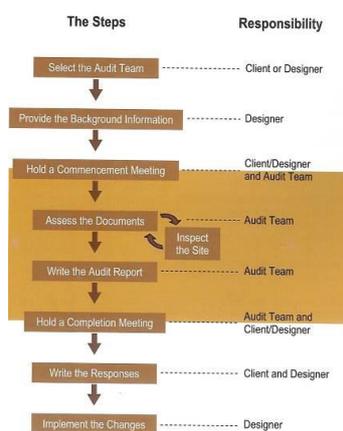
Lead Presenter

Mr Phillip Jordan, Managing Director and Principal Consultant of Road Safety International Pty Ltd, is the lead presenter at the workshop. He has a long history in the traffic and road safety engineering disciplines gained in Australia, England, South-East Asia, Middle East and a range of countries across the globe. Phillip was the founder of the 5 day road safety engineering workshop that has been held to “sell out audiences” three times annually since 1999 in Melbourne (Australia) for the state road authority (VicRoads). The road safety audit component of that workshop is a recognised audit workshop that is one step towards audit accreditation in Australia.

He has conducted many dozens of road safety engineering workshops for government staff, consultants, contractors, designers, researchers, students, Police and bureaucrats in countries from South Africa to China, from Iran to Samoa, and from Indonesia to Spain.



Other presentations are to be made by experienced practising professional engineers. The presentations will be in English and will be supported by practical site inspections. This will be a practical workshop. We encourage learning by seeing and doing. We will prepare attendees to make immediate, positive changes when they return home – refreshed and encouraged to improve road safety engineering in their country.



The workshop conforms to the requirements of the AUSTRROADS Road Safety Engineering Training Syllabus. Attendees who successfully complete the workshop may use this workshop towards accreditation as a road safety auditor as outlined in the AUSTRROADS Road Safety Audit guide.

An international workshop for engineers and other professionals responsible for safer roads in rapidly motorising countries

Workshop Program

Day 1 Road safety engineering – how, what, when, where and why?

Welcome to the workshop – by a senior official from the local Road Agency
Global road safety issues (especially from countries like yours!)
An introduction to road safety engineering
The “Safe System” – what it means for engineers like you
The importance of good crash data
Identifying and treating blackspots
Site inspection of several local blackspots

Day 2 Reducing crashes at high risk locations

Looking for patterns in crash data – preparing collision diagrams and crash factor grids
Crash benefit/cost analysis (including the use of Crash Reduction Factors)
Intersection safety
Delineation of rural roads
Signs and line marking
Discussions about several high risk locations – how can we make them safer?
Road safety at road work sites
 Why is this subject important for road agencies?
 Developing a traffic management plan (TMP)
 The four zone concept

Day 3 Roadside Hazard Management

What is this and why is it important for your road agency?
Understanding the clear zone concept
The 6 part roadside hazard management strategy
When and how to correctly use safety barriers
The three groups of barriers - rigid, semi-rigid and flexible barriers
Site inspection of roadside hazards, barriers and other treatments

Day 4 Road safety audit - theory

Introduction to road safety audits
Key steps in an audit
The stages of audit
How to write an audit report
Technical topics for audit teams
 Intersection safety
 Using signs and line markings correctly
 Safety for mixed traffic (pedestrian, bicycles, motorcycles, rickshaws, animals)
 Undertaking a “desktop” audit

Registration Form **Road Safety Engineering Workshop 8-12th September 2014**

Please send your registration form to: Road Safety International Pty Ltd, c/o Mr John E Coles at johne.coles.rsi@gmail.com

Title		
First Name		
Family name		
Organization		
Government/academic/NGO/other		
Postal address		
City		
State		
Country		
Email (we will use this for all correspondence)		
Telephone	Country code	

Payment

To secure your place in this workshop please send payment with your registration.
The full price for attendance at this internationally regarded workshop is USD\$2200 per person.
To encourage early registration, if paid in full before Friday 1st August 2014, the price is USD\$2000.

This price includes workshop attendance for all 5 days, pdf soft copies of all presentations, certificate of completion and a set of road safety engineering manuals. Also included are morning/afternoon teas, lunches, and a welcome dinner on one evening. We will be on-site on several occasions, and attendees will experience Indonesian traffic and road safety issues first hand through these site inspections.

Payment may be via:

- Electronic Funds Transfer to the Road Safety International Pty Ltd account with the Commonwealth Bank of Australia (USD\$), Burke Road, Camberwell, Victoria, Australia
 - SWIFT Code CTBAAU2S
 - BSB 063-113
 - Account number 1092 9657
- Cheque - in USD\$ and made payable to Road Safety International Pty Ltd and air mailed to 4 Springfield Avenue, Camberwell, 3124 Victoria, Australia

Conditions of Registration.

1. Registration is to be accompanied by full payment.
2. We understand that sometimes it may become impossible at the last moment for a registrant to attend a workshop. If this happens we will refund all moneys paid provided cancellation is made in writing 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 of the workshop.
3. Road Safety International Pty Ltd 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, Road Safety International reserves the right to alter this program or presenters without notice to further improve the workshop.

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