

IRTEENZ



Innovative & High Productivity Vehicles

Performance, Infrastructure & Safety

The IRTENZ 13th International Conference focuses on the demand for higher productivity vehicles for the ever increasing freight task and its impact on our infrastructure and vehicle safety. We bring both a local and International line up of speakers to this forum to discuss the latest developments in vehicle productivity & efficiency, road safety, legislation & policy and infrastructure interactions.

Rydges Hotel, Rotorua 18th - 20th June 2013

(Disclaimer Notification)

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DAY 1 Tuesday 18th June

10.00 a.m. Registration *Rydges Hotel Foyer*

11.00 a.m. Welcome Presentation
Conference Chairman - Alan Pearce
IRTEENZ President - John Macleod

11.15 a.m. Keynote speaker - Peter Sweatman, UMTRI
Dr. Sweatman currently serves as director, University of Michigan Transport Research Institute. Dr. Sweatman is working to create new research and policy capabilities to address the broader challenges of safety, mobility, energy and greenhouse emissions; he is also helping to develop new research fields assisting the transition from today's automotive industry to the transportation industries of the future.

12.00 p.m. LUNCH

1.00 p.m. Steve Bullôt *NZTA, Senior Engineer, Operations Support {Delivery}*
Post implementation of the Heavy Brake Rule
Since the introduction of the Brake Code in 1991 and the Heavy Vehicle Brake Rule in 2006, the Transport Industry has seen many regulation changes to both weights and dimensions over those years. Brake performance requirements have always been an integral part of any such regulations. Steve discusses the Brake Rule as it is today and the impact it has had on Road Safety.

1.30 p.m. Simon de Cock *Senior Engineer, Vehicle Testing, DAF Trucks Product Development*
Development of Vehicle Stability Control for trucks
Simon's work in the DAF research and development department has mainly been around vehicle dynamics, vibrations, noise and stresses (including full vehicle fatigue testing)

2.00 p.m. Dom Kalasih, *Logistics Manager, Z Energy*
Different access points to deliver Safety Improvements.
Z Energy will share its views on HPVs and the non-vehicle approaches it has taken to improve productivity and safety.

2.30 p.m. Peter Sweatman, UMTRI
Role of ITS in improving safety in road transport
Peter has a strong interest in advanced safety systems which help drivers to avoid crashes, and in communication technology which will not only prevent crashes but also improve traffic flow.

3.00 p.m. AFTERNOON TEA

3.30 p.m. Matt Elischer, *Team Leader, Freight and Heavy Vehicles, ARRB Group Ltd*
On-line Route-Assessment tool
Matt discusses the PBS R.A.T. system and how the System supports, educates and simplifies local government HV access decision making

4.00 p.m. Paul Gimblett, ACC
Incentivising Safety improvements
what ACC is doing to improve heavy vehicle safety, including the use of incentives as a way of encouraging the adoption of good safety management practices.

4.30pm Panel Discussion on the day

4.55 p.m. Sponsors presentation - Lumley Insurance, Jim Wiles, NZ Fleet Risk Manager

5.00pm Close

Evening free

DAY 2 Wednesday 19th June

9.00 a.m. **Peter Sweatman, UMTRI**

ITS improving efficiencies in the freight task

HVP's are one way of improving efficiency of the freight task. Dr Peter Sweatman is highly regarded for his work crossing the boundaries of traditional engineering disciplines and shares his views on the role Intelligent Transport Systems (ITS) can play in improving freight transport

9.30 a.m. **Anders Lundström**

European uptake of vehicles operating at higher mass, longer length

62 tonne/ 25.25m heavy vehicle combinations are now common on Swedish roads. Anders Lundstrom shares his views on learnings from the uptake of HPV's in Sweden and more widely across Europe

10.00 a.m. MORNING TEA

10.30 a.m. **Doug Latto** *Transport & Mechanical Consulting*

Bruce Currie *NZTA Principal Engineer - Vehicle Systems*

Review of high productivity vehicles and quad axle sets

A safety review of the quad axle semi trailer with two self steering axles, a review of the 7-axle B-train with a single self steering axle within a quad set, and a review of HPMV development and PBS application in New Zealand

11.00 a.m. **Geoff Walsh, Transport Technology Ltd**

Engineering challenges/learning from HPV introduction

As the operator take-up of HPV opportunities increase so does the demands on the Transport Engineers to design vehicles that are significantly larger but are still optimised in terms of tare weights and durability.

11.30 a.m. **James Smith, Transport Manager- Toll Freight Forwarding**

Operator perspective

Toll has been heavily involved in the HPV program for 5 years. James discusses the issues and benefits for their operation

12.00 p.m. LUNCH

1.00 p.m. **Anders Lundström**

European trends in improving energy management in heavy vehicles

There is continued global concern about trends in energy use on a tonne- km basis and the reliance on fossil fuels. Anders Lundstrom provides insights on what being done on diesel efficiency and alternative heavy vehicle energy sources.

1.30 p.m. **Stuart Ross, EECA**

EECA Heavy vehicle Fuel Savings programme

EECA's Heavy Vehicle Fuel Efficiency programme will help fleet operators cut their fuel bills by 10% on average, with some achieving savings of up to 20%.

2.00 p.m. **Peter Baas, Director TERNZ**

Fleet Management commitment to fuel efficiency

The barriers fleets face in improving fuel efficiency and what can be done to overcome those barriers.

2.30 p.m. **Ken Russell, Transport Manager, BP Oil**

Fleet fuel saving from EECA's HVPA program

A 12 month journey with HVPA that started with a focus on fuel economy with the BP fleet, but also delivered benefits in safety, compliance and cost

2.55 p.m. **Sponsors presentation - T R Group**

3.00 p.m. AFTERNOON TEA

3.30 p.m. **Matt Elischer, Team Leader, Freight and Heavy Vehicles, ARRB Group Ltd**

Review and risk assessment of increasing vehicle lengths

An Austroads project which aimed to review the PBS Level 1 length limit and determine the optimum limit by developing a risk-based assessment methodology

4.00 p.m. **John de Pont, Director TERNZ**

High productivity Vehicles in NZ

The development and adoption of High Productivity Vehicles in NZ and the balance between vehicle weights/dimensions and infrastructure

4.30 p.m. **Graham Taylor, NZTA**

Upgrading the network for HPMV & Lower Bound (50MAX)

The HPMV project involves developing a range of options and solutions to maximise the efficiency of the transport of freight at a level that results in an affordable rate of consumption of the road asset.

5.00 p.m. **Panel Discussion on the day**

5.30 p.m. CLOSE

6.30 p.m. Happy Hour in Hotel Foyer

7.00 p.m. Conference Dinner *Dress semi formal*

DAY 3 Thursday 20th June

9.00 a.m. **Bruce Currie** NZTA, *Principal Engineer - Vehicle Systems*

Legislation to improve heavy vehicles

An overview of the Vehicle Licensing Reform package (CoF, TSL, AVL), the ORS, recent RUC changes, and the future application of ESC to address the rollover problem

9.30 a.m. **Kerry Arnold**, *RTF Technical Manager*

What the Industry needs from Transport Engineering

What are the challenges that have arisen out of the new regime and what processes do we need to refine to make it easier for the operator to take advantage of the new dimensions and mass.

10.00 a.m. **Coffee on the run....**

10.15 a.m. **Scott O'Donnell** *Managing Director H W Richardson Group*

An insight into some of the hurdles and successes of the HWR group and his thoughts on the key challenges the road transport industry will face

11.00 a.m. **Industry & Legislators General discussion**

Arnold, Bullôt, Currie, Walsh, de Pont, Russell, O'Donnell, Latto

12.00 p.m. **Close**



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