

Call for papers

INTERNATIONAL SYMPOSIUM FOR ROAD TRANSPORT TECHNOLOGY

HVTT 13: San Luis, Argentina, 27 – 30 October 2014

Expanding Horizons

Welcome to HVTT13 – for the first time in South America!

The 13th International Symposium on Heavy Vehicle Transport Technology (HVTT13) is presented by the International Forum for Road Transport Technology (IFRTT), again with the aim of providing a forum for discussions and the exchange of ideas amongst legislators, road administrators, academics, consultants, vehicle manufacturers and suppliers, transport organizations and transport operators. Please see the link to Conference Papers in the IFRTT website for a full record of the papers from previous symposia.

We are aiming to have delegates from all regions including Asia, Africa, Central and South America and the Caribbean, Europe, the Middle East, North America and Oceania. In common with previous symposia, we will have plenary sessions, parallel technical sessions and quality evening social events.

Exchange of ideas with fellow delegates has always been a highlight of these Symposia and HVTT13 will be no exception. Discussions among delegates from all over the world can only be of benefit in providing better targeted road transport outcomes.

With the ever increasing speed of information exchange, together with extensive availability of electronic records of research, there have been suggestions that symposia and technical conferences are obsolete. Nothing could be further from the truth, as informal discussions and face-to-face exchange of ideas with like-minded professionals cannot be replaced with digital communications and in fact, become more important as the volume of information grows.

Throughout the world, countries are faced with a growing freight task. Despite the rapidly-developing road infrastructure and heavy vehicle technologies evident in many countries, the challenges regarding safety, congestion, productivity, community expectations and the environment remain. Governments and organizations are required to develop and adopt standards and technologies while updating legislation that not only ensures the safety and sustainability of the transport environment and facilitate optimum productivity, but that are also sufficiently flexible to incorporate new technologies for both vehicles and transport infrastructure. Standards, regulations and legislation must thus be designed to provide better transport outcomes in the future.

In keeping with the symposium's theme of *Expanding Horizons*, this will be the first time an HVTT conference is held in South America. It will also be the first time that papers will be translated into a language other than English, and that simultaneous translation (Spanish, English) will be available throughout the conference.

HVTT's traditional topics have expanded their horizons as well: heavy road vehicles interact with infrastructure, with other modes of transport and with the community where they travel. Topics such as Sustainability, Future fuels and Intelligent Transport only acknowledge the future opportunities that the road heavy vehicle sector is able to provide.

San Luis is a beautiful place to visit, and you will find we have made a special effort to set new levels for the programme for accompanying delegates to enjoy the trip too.

We look forward to seeing you in San Luis in October 2014.

Paul Nordengen, President IFRTT

Bob Pearson, Chairman HVTT13 Scientific Committee

Graciela Corvalán, Chairman HVTT13 Organizing Committee

Alejandra Efrón, Vice-President Central and South America, IFRTT. HVTT13 Committees' Coordinator.

SYMPOSIUM THEME

Expanding horizons

SYMPOSIUM TOPICS

1. Vehicle-infrastructure interaction

The relationship between heavy freight vehicles and the road and bridge infrastructure, particularly new research or new findings of continuing research.

2. Innovations in Vehicle technology and design

Alternative means of solving heavy freight vehicles issues including, but not limited to:

- swept width
- aerodynamics
- rollover
- noise
- braking
- elements regarding handling of heavy loads.

3. Heavy vehicle transport policy, standards and regulations (including road safety and vehicle-community interaction)

Policies, standards, regulations, and issues relating to the use of heavy freight vehicles on the road network and network design that may either encourage or discourage the use of heavy vehicles. The trend of urbanization and the heavy vehicle-community interaction dilemma (e.g. parking large trucks in port cities).

4. Innovative and high productivity vehicles, including trials

Ways of increasing payload, either by means of new vehicle designs (including performance based standards designs) of different configurations.

5. Sustainability, energy and alternative fuels

Means by which the environmental impact of heavy freight vehicles can be assessed and reduced. Themes may include but are not limited to:

- Use of heavy vehicle technology to reduce environmental impact of road transport operations
- Life Cycle Analysis of heavy vehicle elements and operation
- Performance of alternative fuels
- Sustainability impacts of innovative configurations and designs

6. *Logistics and Intermodal Transportation*

The role of logistics in supporting road freight and moving freight more efficiently. Interaction of heavy vehicles with other modes of transportation. Logistics trends and demand on transportation of goods.

7. *Intelligent Transport: Use of Systems and Devices as future opportunities for heavy goods vehicles*

Use of technologies for information and communication in heavy freight vehicles. Autonomous and semi-autonomous systems.

How to submit a paper

Extended abstracts

Paper submissions should be in the form of extended abstracts, which are intended to give the HVTT Scientific Committee confidence regarding the relevance, content and quality of the proposed papers. They should be 2 – 4 pages and include sufficient information for a good understanding of the proposed paper. Ideally, at least 4 major sections should be included in the abstract. Brief summaries of papers will not be accepted.

Abstracts may be submitted in either English or Spanish.

All abstracts should be submitted on-line at <http://www.hvttconference.com>. This website will be available shortly.

Paper submissions

Once your extended abstract has been accepted by the Scientific Committee, you may proceed with the preparation of your full paper. Papers are limited to a maximum of 10 pages. Details of formatting requirements will be available on the conference website.

Timetable

The timetable for submission of abstracts and papers is as follows:

30 November 2013	Close of submission for extended abstracts
31 March 2014	Notification of successful authors
30 June 2014	Final papers due
27 – 30 October 2014	Symposium

The full text of all papers will be available to delegates in electronic form. Papers will be translated into Spanish/English.