



No. 3, February 2011.

Word from the editor

Dear ISWIM-member, here it is the third edition of the ISWIM Newsletter and the first one this year. I hope you have had pleasant Christmas period and have made a good start in 2011. For many of us the last months are traditionally very busy, projects need to be finished, proposal prepared, deadlines met and budgets used before the end of the year.

While we all focus on our projects and all problems involved there is often little time left to address the challenges that face all of us. This is where an international organization like ISWIM can play an important role. After a perhaps bit hesitant start the ISWIM is becoming more and more active to take this role. Not only through the organization of seminars (Brazil, 2011) and conferences (USA, 2012) but also by sharing information through the ISWIM-website. Recently also by taking the initiative for a European project aimed at improving the position of WIM-vendors.

This issue will also inform you on an other ISWIM initiative; the Annual Student Award.

I would like to thank the authors for sending in their articles for this edition. I hope you will enjoy reading this Newsletter.

Kind regards, Hans van Loo.

No Newsletter without News!

The goal of the Newsletter is to inform about recent projects and developments in the world of Weigh-In-Motion. However without news there can be no Newsletter so please don't hesitate to send me your article.

We are looking for short 'articles' (around 200 words) on new projects, research, tests or other developments related to WIM-technology and its applications. Pictures to accompany your article are also welcome.

For the WIM-vendors the newsletter offers the possibility to present their latest technological developments, newly acquired or concluded projects. The aim of the Newsletter is to find a balance between research and application and between public and commercial items.

The Newsletter is open for all ISWIM-members that want to share their latest news in the field of Weigh-In-Motion. The next issue is scheduled for June this year.

So if you want to have your article(s) included, just send it/them directly to me. Hans van Loo, hvloo@kalibra.nl.

ISWIM membership fees

The ISWIM membership fees for 2010 and 2011 (two year period) are:

Member	Fee
Individual	€ 0,-
Student	€ 0,-
Senior	€ 0,-
Corporate small	€400,-
Corporate large	€600,-



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1st Brazilian International Seminar on Weigh-In-Motion.

From April 3rd to 7th this year the first Brazilian International Seminar on WIM will be held in Florianópolis, Santa Catarina, Brazil. The seminar is organized by the Federal University of Santa Catarina, the Santa Catarina Engineers Association and ISWIM.

The main themes of the seminar are:

- WIM system developments and technologies;
- Standardization and Applications;
- Calibration and Accuracy;
- Legislation and data monitoring for Tax control;
- Effects of heavy vehicles on highway infrastructure, safety and competitiveness.

The official languages for the seminar are Portuguese and English with simultaneous translations. The seminar will be concluded with a technical visit to the Multiple Sensor WIM system site on the BR-101 near Aranguá.

For more information contact: Helio Goltsman at goltsman@gmail.com or Bernard Jacob at bernard.jacob@ifsttar.fr
Or visit: www.wimbrasil.com.br



ICWIM6

The sixth International Conference on Weigh-In-Motion will be held in conjunction with NATMEC'2012' from June 4th to 7th in Dallas Texas, USA. The conference will be hosted by:

- Texas Department of Transportation;
- Federal Highway Administration;
- Transport Research Board;
- ISWIM.

The event will provide a unique opportunity for traffic monitoring professionals from around the globe to meet, exchange information and address shared challenges. The conference will:

- Provide an international forum for WIM technologies, WIM standards, research, policy and applications;
- Facilitate the meeting of manufacturers & users in an exhibition
- Review the latest developments in Weigh-In-Motion.

The schedule will be:

- Submission of abstracts before June 1st 2011
- Acceptance of abstracts: by September 2011
- Submission of full papers before November 1st 2011
- Acceptance of full papers by February 2012

For more information contact: Bernard Jacob at bernard.jacob@ifsttar.fr or Ann-Marie McDonnell at AnneMarie.McDonnell@ct.gov

Or visit the website: <http://iswim.free.fr/icwim6>



Virtual Weigh & Bridge Monitoring System

The Hurley Virtual Weigh Station and Bridge Monitoring System is located on United States Highway 2 at the Wisconsin-Michigan state line. The system employs high-end Single Load Cell (SLC) WIM technology supplied by International Road Dynamics Inc.



IRD Single Load Cell WIM Scales

The SLC WIM is installed in advance of a bridge to monitor vehicle weights and their effect on the bridge structure. The system is used to monitor traffic flow on the bridge, and to advise Wisconsin DOT and State Patrol of the vehicle weight passing over the bridge.

The WIM system provides a real time display complete with camera images which are used for enforcement of commercial vehicle weight limits on the bridge. As well, all WIM data (weights, axles spacing, speeds, photos, etc.) for desired vehicles is uploaded to the Northwestern University supplied computer system, which is also connected to sensors mounted on the bridge structure.

The WIM system keeps track of what data is transferred and when the data was transferred. The desired vehicles are user-selectable and are defined as vehicles over a specified weight threshold, within a federal class code, and/or a combination of both parameters.



System Operator Interface

For a complete description of this project you can reference the following link: http://www.irdinc.com/showcase/3-2-7_wisconsin.php

For additional information about IRD Products and Systems, please contact Roy Czinku, Manager, Customer Service Sales at: roy.czinku@irdinc.com.

ISWIM Student Award

In order to stimulate the involvement of students in Weigh-In-Motion the ISWIM board has initiated an annual contest for the ISWIM Student Award.

The award will be given each year to the student who has written the best paper on WIM that year. Besides the international recognition (and immortal fame) the award will consist of a price of \$300,--, free registration for the next ICWIM conference and free publicity through the ISWIM-website.

The ISWIM Scientific Committee will be in charge of the contest, will review the papers and determine the winner. The deadline for paper submission for this year's contest is June 1st.

The complete rules for participation in the ISWIM Student Award can be found at the ISWIM-website: <http://iswim.free.fr>





The WIM21 Project

The European Vendors College of ISWIM has taken the initiative to bring together a consortium of European WIM-vendors and research providers. This group has prepared a project proposal (WIM21) for the 7th Framework Programme of the European Commission.

The general goal of the WIM21 project is to improve the position of Europe's WIM vendors. In order to achieve this the WIM21 project will provide:

1. Business Case:
An independent and internationally accepted calculation of the financial benefits of the use of WIM-systems for various applications;
2. Performance Certification;
A structure and procedures for the legal acceptance of WIM systems for direct enforcement of over-loading and an ISWIM performance certification for other applications;
3. User Awareness;
An improved accessibility of the possibilities, benefits, experiences, and best practices of the use of WIM systems for existing and new users.

The WIM21-proposal was submitted in December 2010 and at the moment we are waiting for the results of the evaluation by experts of the EU-Commission.

For more information contact:
Colin Caprani colin.caprani@dit.ie or
Hans van Loo, hvloo@kalibra.nl



TRB Annual meeting

The Transportation Research Board (TRB) 90th Annual meeting brought together over 10,000 transportation professionals January 23-27, 2011 in Washington DC.

Weigh-in-Motion was the focus of numerous podium, poster and meeting sessions. The interest in weigh-in-motion was evident, as fifty attendees filled the subcommittee meeting room of the TRB Subcommittee on Weigh-in-Motion.



The meeting included two paper presentations, background information and a preview of the Optimum WIM Locator program developed by FHWA-LTPP, to be released this Spring. This program will facilitate the evaluation of pavement suitability for WIM based on truck simulations and pavement profile data.

An overview of the International WIM activities was provided during the Highway Traffic Monitoring Committee. Other sessions included a session on "Leveraging the LTPP Experience for Collecting Quality Weigh-In-Motion Data and a poster session on "Traffic Data Inputs for Pavement Design."

For a full listing of the papers and presentations related to WIM visit: www.trb.org and select the Annual Meeting tab.