



SATC-ISWIM Weigh-In-Motion Workshop 2018

Version: 1.1

Date: Thursday, 12 July 2018

Time: 08:00 – 17:00

Location: CSIR Convention Centre, Pretoria, South Africa

Organiser: International Society for Weigh-In-Motion (ISWIM)

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Introduction.

ISWIM, the International Society for Weigh-In-Motion brings together users, researchers, and vendors of systems for weighing in motion of vehicles. This includes systems installed in or under the road pavements, bridges, rail tracks and on board vehicles. The aims of ISWIM are to support the advances in Weigh-In-Motion technologies and the more widespread application of WIM systems and data.

This we do through: the support of international research and development projects on WIM, the promotion of the application and use of WIM systems and data at exhibitions and trade fairs and the organisation of international conferences, regional seminars and workshops, on WIM technology and applications. This Weigh-In-Motion Workshop at the Southern African Transport Conference 2018 is the first time ISWIM has organised an event on the African continent.

The 37th annual Southern African Transport Conference (SATC 2018) will take place from Monday 9 July to Thursday 12 July 2018 at the CSIR International Convention Centre in Pretoria, South Africa. The conference provides a platform for national and international dialogue on transport as socio-economic development priority. It also serves as a forum for discussion and information exchange on the implementation of transport policy, strategy and technology applications.

The objective of this Weigh-In-Motion workshop is to offer an overview of the latest developments in the applications of WIM technology. The programme consists of a mix of presentations on general developments in the use of weigh in motion system and concrete examples of successful implementations of WIM systems in South Africa and around the world.

Participation in the workshop will be free of charge for all delegates of the South African Transport Conference. ISWIM will be encouraged its Vendor Members to participate in the event and in the exhibition of the conference. More information on the conference can be found at: www.satc.org.za

Program Weigh-In-Motion Workshop

12th July 2018, 08:30–17:00

07:30	08:30	Registration	Presented by
		<ul style="list-style-type: none"> - Coffee/Tea and refreshments 	
08:30	09:00	Welcome and opening of workshop <ul style="list-style-type: none"> - Introduction ISWIM - Purpose of Workshop 	Mr. Louw Kannemeyer SANRAL Mr. Chris Koniditsiotis President ISWIM
09:00	09:30	Use of WIM in Southern Africa <ul style="list-style-type: none"> - Overview of WIM applications in South Africa - Plans for future use of WIM 	Mr. Louw Kannemeyer Engineering Executive SANRAL
09:30	10:00	International Developments in WIM <ul style="list-style-type: none"> - Current applications of WIM around the world - Development new advanced applications 	Mr. Hans van Loo Corner Stone Int.
10:00	10:30	Show Case Projects from Intercomp <ul style="list-style-type: none"> - Various examples of the application of WIM systems 	Mr. Clint Bower Director Intercomp Europe
10:30	11:00	Refreshments	All participants
11:00	11:30	Adding value to High Speed WIM <ul style="list-style-type: none"> - N3 Speed Over Distance project integrated with Weigh In Motion 	Mr. Mike Hellens Mikros Traffic Monitoring Syntell
11:30	12:00	Applications and Developments in WIM in Brazil <ul style="list-style-type: none"> - Status of Brazilian National WIM projects, PIAF, PNCT - Plans for use of WIM for direct weight enforcement and tolling by weight 	Mr. Gustavo Otto UFSC/LabTrans Coordinator WIM Projects
12:00	12:30	Use of Weight data for Tolling by Weight <ul style="list-style-type: none"> - Experiences with the implementation of WIM systems for Tolling by Weight applications from various countries around the world 	Mr. Stefan Daxberger Solutions Manager Kapsch Traficom
12:30	13:00	New International Standard on WIM <ul style="list-style-type: none"> - Development and content of new WIM Standard - Procedures for System Testing and Approval - Steps for succesful Implementation of Standard 	Mr. Cock Oosterman Head Certification NMi Certin BV
13:00	14:00	Lunch	All participants
14:00	14:30	Calibration and Quality Management of WIM Data <ul style="list-style-type: none"> - Development of the Truck Tractor (TT) Method - Current extent of application and challenges to meet with changes in truck loading characteristics 	Mr. Gerhard de Wet Static Motion Ltd.

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14:30	15:00	Experiences with the use of On-Board Mass Monitoring <ul style="list-style-type: none"> - Experiences with the use of On-Board Mass Monitoring - National Telematics Framework in Australia - Different Applications and Levels of Assurance of Mass Data 	Mr. Gavin Hill General Manager TCA
15:00	15:30	Refreshments	All participants
15:30	16:00	Commercial Vehicle Screening for Anomalous Tires <ul style="list-style-type: none"> - Weigh in Motion and additional screening parameters - Tire Anomaly and Classification System (TACS) for Detection of Tire Problems 	Mr. Rish Malhotra Vice President, IRD
16:00	16:30	Developments in Stress-In-Motion (SIM) <ul style="list-style-type: none"> - Status of SIM Technology in South Africa and; - It's implementation in Accelerated Pavement Testing (APT). 	Dr. Morris de Beer Principal Researcher CSIR
16:30	17:00	Wrap up and Closure <ul style="list-style-type: none"> - Conclusions and possible follow up 	Mr. Chris Koniditsiotis President ISWIM
17:10	Bus departure for appointed hotels		

