



# INTERNATIONAL SEMINAR ON INTEGRATED ROAD TRANSPORT & MOBILITY

PIARC SEMINAR 2018



## FIRST ANNOUNCEMENT

5-7 NOVEMBER 2018

LAGOON BEACH HOTEL  
MILNERTON, CAPE TOWN

PROUDLY FACILITATED BY



# PRELIMINARY PROGRAMME

# 5-7 NOVEMBER 2018

	9:00-10:30	10:30-11:15	11:15-12:45	12:45-13:30	13:30-15:00	15:00-15:45	15:45-17:15
MONDAY 5 NOV	OPENING SESSION	Coffee/ Tea	PLENARY SESSION Disruptive traffic monitoring and management for people and freight mobility	Lunch	CROSS CUTTING SESSION Smart city, shared mobility, big data, internet of things (IOT), connected and autonomous vehicles: Which is the future of transport and traffic management in urban areas?  SPECIFIC SESSION Policies enabling multimodal and green long-distance freight movements	Coffee/ Tea  Poster session	PANEL SESSION Greening of road transport
TUESDAY 6 NOV	PLENARY SESSION Multimodal smart infrastructure	Coffee/ Tea  Road Network Operations/ ITS manual presentation	CROSS CUTTING SESSION ITS solutions for road freight traffic, operations and monitoring  SPECIFIC SESSION Aligning peoples' mobility needs and the best offers of transport	Lunch	CROSS CUTTING SESSION Efficient co-existence between urban mobility and city logistics  SPECIFIC SESSION Innovative and low cost ITS solutions for low-middle income countries	Coffee/ Tea  Poster session	PANEL SESSION Optimal land and infrastructure use in urban areas for passenger and freight transport
WEDNESDAY 7 NOV	PLENARY SESSION Regulatory issues and compliance tools for people and freight transport	Coffee/ Tea  Poster session	Closing session	Lunch	Technical visit to the traffic management centre		



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## CALL FOR POSTERS

FOR FURTHER INFORMATION PLEASE VISIT [WWW.SANRALPIARC.CO.ZA](http://WWW.SANRALPIARC.CO.ZA)

Poster sessions will be organised during the PIARC seminar “INTERNATIONAL SEMINAR on Integrated Road Transport and Mobility” organised by the TCs B1, B3 and B4 in Cape Town, South Africa, on November 5-7, 2018. Researchers and end users are strongly encouraged to take this opportunity to present their research works and case studies in an International seminar on the most recent developments in active areas of passenger and freight mobility.

Poster proposals are welcome and authors are invited to submit an electronic poster using the proposed template by 15 August 2018.

The template is available online at [www.sanralpiarc.co.za](http://www.sanralpiarc.co.za) for download.

Posters will be displayed during the seminar in a hall of the venue, and the poster sessions will be active during the coffee breaks to facilitate discussions between the authors and the participants.

The author presenting the accepted poster must register to the seminar by September 7, 2018 – the registration fee will be complimentary.

Poster proposals will be reviewed by the Program Committee of the seminar, and the acceptance and comments will be notified to the first author by August 31st 2018.

## GUIDELINES FOR POSTER SUBMISSION

- Poster proposal submission by 15 August is mandatory to get a poster accepted.
- A short bio of the first author/presenter (max. 100 words) shall be submitted with the poster proposal. It shall contain the main author's position, department or service (if applicable), address, city, state or province (if applicable), zip code, country, phone and email.
- All posters must be submitted in the mandatory template.

- Posters must be submitted in English only.
- The evaluation criteria will be: (1) compliance to the seminar topics, (2) originality of the work, (3) added knowledge beyond the state-of-the-art and usefulness for practitioners, (4) clarity and quality of the presentation (incl. language), and (5) commercial free content.
- After acceptance notification, authors must print out their posters in A0 format (1189mm x 841mm: height x width) vertical and deliver them on site Monday Nov. 5 by 1:00 pm. Display boards and materials to fix the posters will be provided by the organizers.
- Notification of acceptance of the poster will be send to the author by 31 August 2018.

A full version should be submitted in Microsoft PowerPoint Presentation or Apple Keynote and PDF to: seminar@nra.co.za, by October 1, 2018.

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## SEMINAR TOPICS

### POLICIES FOR PASSENGER AND FREIGHT MOVEMENTS

- Low cost ITS and Internet of things (IoT)
- Advanced multimodal freight and logistics policies
- Urban freight policies and integration with passenger transport
- Global control, regulation and optimization
- Standardization and performance based standard (PBS), key performance indicators, High Capacity Vehicles (HCVs)
- Regulation and compliance of road freight transport (WIM - Weigh-In-Motion and enforcement of overloads)
- Bus Rapid Transit solutions connecting rural areas and Mass Rapid Transit
- Safe active modes in peri-urban areas

### VEHICLE AND INFRASTRUCTURE OPERATION

- Connected and autonomous vehicles (CAV)
- Platooning, automated trucks
- Big Data, floating car data
- Privacy and legal aspects, resilience to cyber attacks
- Multi-criteria traffic management, High Occupancy Vehicle lanes
- Truck management on motorways and highways, incl. parking
- Smart infrastructure access program (SIAP)

### INFRASTRUCTURES

- Advanced road design for passenger and freight transport in urban areas
- Efficient multimodal interchanges between bus stations and Mass Rapid Transit
- Integrated land use and smart intermodal freight terminals
- Multimodal and intermodal freight terminals in urban areas
- Smart cities

### ENVIRONMENT AND ENERGY

- Noise and pollution reduction
- Greening long distance road freight transport, incl. highway electrification, and urban deliveries
- Sustainable development, resilience to natural disasters