



Railway Safety Regulator

Annual Rail Safety Conference & Exhibition 2017

9th – 11th May

KZN

South Africa

Call for Abstract

The Railway Safety Regulator (RSR) will be hosting a conference to deliberate on rail technology and digitization. The conference will aim to provide a platform to discuss:

- Railway Risks that emanate from Digitization
- Impact of New Technologies on Operational Safety
- Industry Reliability on Technology Systems
- Social Impact of Rail Evolution
- Benefits and Challenges as a result of the growing use of technology within the Rail industry
- Collaboration of multidisciplinary approaches towards rail technology and digitization

RSR invites you to submit a 300-500 word abstract of a proposed topic for its Annual Rail Safety Conference (ARSC) 2017 in your area of expertise related to Digitization and Technology within Rail. The aim of this conference is to bring together rail experts, professionals, leading academics and practitioners to share and exchange their experience on all aspects of technology and digitisation within the context of railway safety. The emphasis of the abstracts should be on safety in the railway environment.

HEAD OFFICE (CENTURION): Tel: +27 12 848 3000, Lake Buena Vista Building, No.1 Gordon Hood Avenue, Centurion, 0157, SOUTH AFRICA
JOHANNESBURG: +27 11 848 4000, Harrow Court, Isle of Houghton, 36 Boundary Road, Houghton Estate, 2198, SOUTH AFRICA
CAPE TOWN: Tel: +27 87 806 5180, 20th Floor, 9 Riebeeck Street (Lower Burg Street) Atterbury House, Cape Town, 8000, SOUTH AFRICA
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Dr Nomusa Zethu Qunta (Chairperson), Mr Boy Johannes Nobunga (Deputy Chairperson), Mr Nkululeko Andrew Stephen Poya (CEO), Mr Zacharia Mosothoane
Mr Christiaan Johan de Vos, Major-General Michael Monashi Motlhala, Mr Ngwako Makaepea, Ms Hilda Thamaga Thopola, Major-General Willem Adriaan Venter,
Ms Khulekelwe Masaccha Mbonambi, Ms Ntombizine Mbiza, Mr Andre Harrison, Mr Tibor Szane

The ARSC theme for 2017 – “**A Railway Safety Response in a Digitised Environment**”.

Delegates are encouraged to submit original abstracts on the topics which include:

1. Inter- Operability Issues
 - Technology Alignment
 - Universal Usage of Systems
 - Multidisciplinary approach from design to implementation
2. Impact of New Technology on Communication
 - Telecommunication Systems (Voice/Radio/Text) onboard and outside the train
 - Remote Communication
3. Digitisation in a Changing Railway Environment
 - Integrated Transport System and Scheduling
 - Rail evolution
 - Intermodal ticketing
 - Seamless Consumer Journeys
 - Point to Point Monitoring
4. Maintenance Systems (Planning, Monitoring and Execution)
 - Advanced maintenance and monitoring equipment/software
5. Train Movement and Control Systems
 - Train Handling – Automatic/Driverless Trains
 - Train Control
 - Train Monitoring
6. Human Capacity for Modernized Rail
 - Technical Skills Development – moving from physical monitoring to highly advanced technology based systems
 - Cognitive Demand on Train Crew

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All abstracts will be reviewed by the ARSC committee. Relevance, appropriateness, and quality will be key factors in assessing proposed papers.

Abstracts should be submitted on or before **Monday 06th March 2017**. Authors will be notified of acceptance on **20th March 2017**. Please note that complete presentations of accepted abstracts should be submitted by the due dates which will be outlined on acceptance. By submitting an abstract you are agreeing to comply with the conditions of the presentation process and understanding that should key deadlines not be adhered to your submission will be removed from the program.

For any queries please contact: nozibele.mlambo@rsr.org.za,

Telephone: 012 848 3203/ 084 303 3744

Abstract Template Guideline

Abstract Title

Author's First Name & Last Name

Qualifications

Company of Affiliation

Before submitting an abstract, please carefully review the following guidelines:

The abstract body is limited to 500 words. The abstract should contain text, only. References, tables, figures, pictures or any other graphics should not be included in the submission. Also, special characters and formatting should not be used. If applicable, please replace Greek letters with the actual word; e.g. Alpha, Beta, Gamma, Delta, etc. Abstracts must be submitted in MS Word (PC) format, only.

Brand names may not be used in abstract titles.

There should be no more than 3 authors per abstract submission.

It is the Author's responsibility to ensure that the abstract is received by the due date.

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