<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 - 12:00</td>
<td>Road building standards and testing materials</td>
<td>Chair: Mr Sasheen Rajkumar</td>
<td>Testing and standards for road building materials</td>
</tr>
<tr>
<td>12:00 - 13:00</td>
<td>Education and training in the road sector</td>
<td>Chair: Ms Miriam Mosia</td>
<td>Education and training in the road sector</td>
</tr>
<tr>
<td>13:00 - 14:30</td>
<td>Design construction and maintenance of roads</td>
<td>Mr Johan van Heerden, Royal Haskoningdhv (Pty)</td>
<td>Design construction and maintenance of roads - Part one</td>
</tr>
<tr>
<td>14:30 - 16:00</td>
<td>Preserving Africa's Road Assets</td>
<td>Chair: Mr Dave Thomas</td>
<td>Design construction and maintenance of roads - Part two</td>
</tr>
<tr>
<td>16:00 - 17:30</td>
<td>A PPP &quot;paradigm&quot; for road development</td>
<td>Chair: Mr Sasheen Rajkumar</td>
<td>A PPP &quot;paradigm&quot; for road development</td>
</tr>
</tbody>
</table>

**DAY 1: 9 OCTOBER 2018**

07:00 - 17:00  
REGISTRATION (Arrival Tea/Coffee)

08:30 - 10:15  
Opening and Welcome Address: Mr Saied Solomons, SARF President (5 mins)  
How Africa Can, and Must, Meet The Challenge of The Decade of Action: Mr Michael G. Drennes (25 mins)

No country is rich enough not to afford international cooperation: Mr Miguel Caso Floria (15 mins)

Engineering Numbers and Needs in the SADC Regions: Dr Allyson Lawler (10 mins)

Africa’s roadmap to connected, autonomous and electric vehicles: Mr Victor Radebe (20 mins)

International collaboration for sustainable paving solutions: Mr Seung-Hwan Han (15 mins)

10:15 - 11:00  
LUNCH BREAK

11:00 - 13:00  
NETWORKING TEA/COFFEE (EXHIBITION AREA)

13:00 - 14:00  
LUNCH BREAK

14:00 - 15:30  
NETWORKING TEA/COFFEE (EXHIBITION AREA)

15:00 - 16:00  
REGISTRATION (Arrival Tea/Coffee)

16:00 - 17:30  
Welcome Reception & Exhibition Opening Sponsored by Ethekwini Municipality
Day 2: 10 October 2018

REGISTRATION (Arrival Tea/Coffee)
### Non-destructive pavement monitoring and testing techniques

**Workshop:** Work Zones Can and Must be Safer in South Africa

**Chair:** Ms Bongiwe Ntombela

**Speaker:** Michael Dreznes

**PIARC road monitoring report (PIARC TC D.2):**

Mr Margo Briessinck, Belgium

**Development of smaller-size moving weight deflectometer in Japan (PIARC TC D.2):**

Dr Keizo Kamiya, Japan

**Measuring Road Condition of the First Mile (TRL The future of Transport):**

Mr Robin Workman

**Performance evaluation of a road surface layer consisting of a hot sand asphalt (National Roads Administration):**

Mr Daniel A Patel dos Santos, Mozambique

**Use of smartphones for pavement riding assessment (PIARC TC D.2):**

Mr Venkat Lakkavalli / Ms Mirriam Mosia, Canada/South Africa

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### Day 3: 11 October 2018

#### 08:30 - 12:00

**Workshop Synopsis:** Motorists constitute approximately eighty percent (80%) of the fatalities in work zones. Road Authorities are responsible for the safety of these motorists, and they must establish and enforce the criteria that contractors must follow to design a safe work zone. Workshop attendees will be exposed to the concept of the “Five Elements of a Work Zone” and each of these elements will be discussed in detail to understand what must be done to make them safe for motorists, motorcyclists, pedestrians as well as workers. Attendees will learn how to design a safe work zone and they will learn about the newest technologies for work zone safety. The use of positive protection from crash worthy barriers, truck mounted attenuators, dynamic, variable message signs, average speed camera enforcement and flagger training will be among the topics discussed.

A safe work zone may cost more money than an unsafe work zone. However, when one considers that according to the World Bank, the social cost of a fatality on a road is about 6,000,000 ZAR, preventing one fatality in a work zone in South Africa can justify the cost of a lot of safety measures in that work zone.

IRF strongly recommends that road authorities, contractors, academia, distributors, law enforcement and consultants attend this half day workshop to FIND A WAY to make South African work zones safer using established best practices and state of the art technologies.

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#### 10:00 - 10:30

**CORNUBIA SITE VISIT**

The combined Mt Edgecombe / Cornubia Interchanges will be one of the largest in South Africa. The incrementally launched main span at Mt Edgecombe is the longest in the Southern Hemisphere. Incorporating National, Provincial and Municipal funding and standards the pavement designs offer a range of technologies including LMC, EME and UTFC.

A series of engagements with the design engineers and the developers will open up an understanding of what will be innovative and different in this multifaceted and groundbreaking presidential project.

The project will include 5 phases of eThekwini’s Bus Rapid Transit system under construction.

Everything under one project – this is one not to be missed.