

SAHHA

CONFERENCE **2024**

POSITIONING HEAVY HAUL FOR SUCCESS

26-29 AUGUST 2024 EMPERORS PALACE CONFERENCE CENTRE, JOHANNESBURG



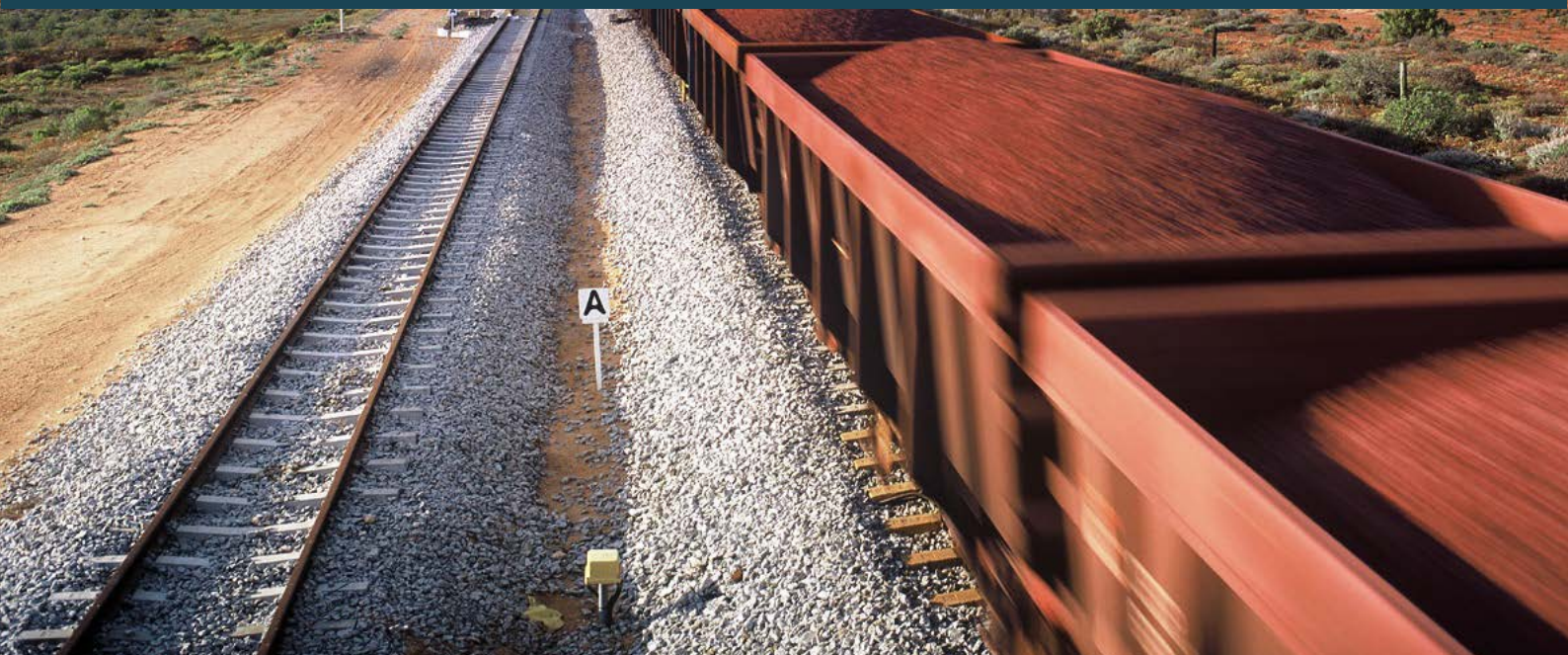
Early Bird registration is open! Sponsorship & exhibitions available!

PRELIMINARY PROGRAMME

SOUTH AFRICAN HEAVY HAUL ASSOCIATION (SAHHA) CONFERENCE

THEME: Positioning Heavy Haul for Success – “Pit to Port”

26–29 August 2024, Emperors Palace Convention Centre, Johannesburg, South Africa



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INVITATION TO ATTEND AND PARTICIPATE



Dear Heavy Haulers,

On behalf of the South African Heavy Haul Association (SAHHA), I extend this warm invitation to you to attend and participate in the upcoming SAHHA Conference 2024, to be held on 26–29 August 2024, at emperors Palace Convention Centre. The conference theme is: **“Positioning heavy Haul for Success”**. The scope of the conference is the Heavy Haul logistics value chain, from train loading at the mines, rail hauling to vessel loading at the ports (pit to port).

I am pleased to announce that the Preliminary Programme for the conference is now published, specifically for the strategic sessions and the technical workshop. The preliminary programme for the technical parallel sessions will be published by end of April 2024, upon completion of the peer review of abstracts for technical paper consideration.

A pre-conference **one day technical workshop** will take place on 26 August 2024, with the theme: Fundamentals of Heavy Haul Rail Asset Management. Industry experts will present best practice on various topics focusing on infrastructure, rolling stock and operations asset life cycle management and utilization.

The **main conference** will take place on 27–29 August 2024. The plenary session of **Day 1** is about building the foundation for successful implementation of rail reforms in South Africa. This will include progress update on the implementation of the National Freight Logistics Roadmap.

Day 2 plenary session will unpack some of the major challenges and opportunities facing the freight logistics industry with an attempt to find solutions, leveraging on local and global best practice.

Day 3 will consist of Think Tank sessions delivered in the form of panel discussions, aimed at promoting broad collaboration and partnership in shaping the future of Heavy Haul.

We extend our gratitude to all our confirmed conference sponsors and exhibitors for their support and participation. Opportunities for sponsorship and exhibitions are still open. To the confirmed speakers, your contributions to the success of the Heavy Haul industry is highly appreciated.

You are encouraged to register and take advantage of the early bird registration. I am excited, keen and look forward to the conference.

Your Sincerely,

Brian Monakali
Chairman, SAHHA

CONFERENCE PLANNING COMMITTEE

Brian Monakali
Chairman SAHHA

Prof. Hannes Gräbe
Professor & Head of
Department: Civil
Engineering, University
of Pretoria

Jaco VD Westhuizen
General Manager Engineering
& Capital Projects, Transnet
Port Terminals

Kubendren Naidoo
General Manager, Asset
Management, Richards
Bay Coal Terminal (RBCT)

Prof. Pilate Moyo
Department of Civil
Engineering, University
of Cape Town

Nkululeko Gobhozi
Chief Engineer, Technology
Management, Transnet
Freight Rail

Sakkie Swanepoel
Group Manager,
Marketing & Logistics,
Exxaro, Chrome & Coal
Cluster

CONTACT

Conference Secretariat:
Tel.: +27 21 836 8315
Fax: +27 86 565 8914
Email:
info@sahhaconf.co.za
Website:
www.sahhaconf.co.za

CONFERENCE KEYNOTE SPEAKERS



Brian Monakali
Chairman,
SAHHA



Andile Sangqu
Chairman,
Transnet SOC Ltd



Michelle Phillips
GCE,
Transnet SOC Ltd



Russell Baatjies
Chief Executive,
Transnet Freight Rail



Edpo Covalciuk Silva
Transport Specialist,
World Bank, USA



Ngwako Makaepa
Deputy Director General,
Rail Transport,
Department of Transport



Mpumi Zikalala
CEO,
Kumba Iron Ore

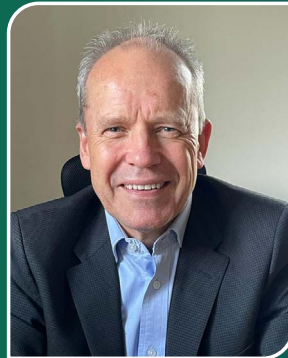


Mxolisi Mgojo
President,
Business Unity South Africa (BUSA)

CONFERENCE KEYNOTE SPEAKERS (CONTINUED)



Ronnie Ntuli
Chairman,
Thelo Group



Ian Bird
Senior Executive,
Transport & Logistics Focal Area,
Business Unity South Africa (BUSA)



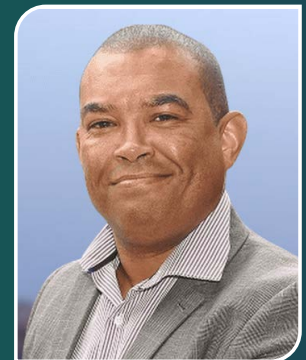
Nosipho Siwisa-Damasane
Chairman,
Richards Bay Coal Terminal



Busisiwe Mavuso
CEO,
Business Leadership
South Africa (BLSA)



Warren Wellbeloved
General Manager Rail,
BHP, Australia,
IHHA Director



Rudi Dicks
Head,
Project Management Office,
Presidency



Rirhandzu Mashava
Deputy Director General,
Integrated Transport Planning,
Department of Transport



Bennie Vorster
Regional Director,
Hatch



Xolani Mbambo
CEO,
Grindrod Limited

CONFERENCE KEYNOTE SPEAKERS (CONTINUED)



Andrew Shaw

*Chief Strategy and Planning Officer,
Transnet SOC Ltd*



Kari Gonzales

*President and CEO,
MxV Rail, USA,
IHHA Director*



Mike Teke

*CEO,
Seriti Resources*



James Hunt Holley

*CEO,
Traxtion*



Chen Qiang

*Haoji Railway,
China,
IHHA Member Country*



Jabu Mdaki

*Chief Executive,
Transnet Port Terminals*



Bernard Aritua

*Lead Transport & Logistics Specialist,
World Bank, Eastern and South Africa*

TECHNICAL WORKSHOP SPEAKERS



Nkululeko Gobhozi
Chief Engineer,
Technology Management
Transnet Freight Rail



Fezile Dantile
Managing Director,
Plasser,
South Africa



Prof. Hannes Gräbe
Professor & Head
of Department:
Civil Engineering,
University of Pretoria



Michael Roney
Retired GM Rail
Infrastructure,
Canadian Pacific,
IHHA Advisor



Emma Molobi
Principal Engineer,
Rolling Stock Technology,
Transnet Freight Rail



Johan van Aardt
Chief Engineer,
Rail Network,
Transnet Freight Rail



Jaco Westhuizen
General Manager,
Engineering & Capital Projects,
Transnet Port Terminals



Prof. Pilate Moyo
Department of
Civil Engineering,
University
of Cape Town



Ross Hartley
Professional Engineer,
Miner enterprises Inc.



Prof. Johann Wannenburg
Mining Engineering
Department, University
of Pretoria



Martin Winkelmayr
Senior Sales Manager,
Plasser & Theurer

PRELIMINARY CONFERENCE PROGRAMME

MAIN CONFERENCE DAY 1 : 27 AUGUST 2024

| | |
|-------------|--|
| 08:30-12:30 | Plenary – Set up for Success (Rail Reform Implementation) |
| [15min] | 1. Welcoming Note, <i>Mr. Brian Monakali, Chairman, SAHHA</i> |
| [15min] | 2. Keynote Address, <i>Mr. Andile Sangqu, Chairman, Transnet SOC Ltd</i> |
| [30min] | 3. Rail Reform, Regulations and Public – Private Partnerships as a key enabler to unlocking Rail transportation – A Case Study of USA, Brazil, India, Australia, China, <i>Edpo Covalciuk Silva, Transport Specialist, World Bank, USA and Bernard Aritua, Lead Transport & Logistics Specialist, World Bank, Eastern and South Africa</i> |
| [30min] | 4. Unpacking the National Freight Logistics Roadmap, <i>Mr. Rudi Dicks, Head, Project Management Office, Presidency</i> |
| [20min] | 5. Progress on Implementation of the National Freight Logistics Roadmap Reform: |
| [20min] | 5.1 Private Sector Participation Framework and Rail Master Planning, <i>Mr. Ngwako Makaepa, Deputy Director General, Rail Transport, Department of Transport</i> |
| [20min] | 5.2 Establishment of the Transport Economic Regulator, <i>Ms. Rirhandzu Mashava, Deputy Director General, Integrated Transport Planning, Department of Transport</i> |
| [20min] | 5.3 Transnet restructuring, reorganization and repurpose, <i>Ms Michelle Phillips, GCE, Transnet SOC Ltd</i> |
| [20min] | 5.4 Role of business in enabling Government Business Partnerships, <i>Mr. Mxolisi Mgojo, President, Business Unity South Africa (BUSA)</i> |
| [40min] | 6. Panel of Questions and Answers <i>Edpo Covalciuk Silva, Rudi Dicks, Rirhandzu Mashava, Ngwako Makaepa, Michelle Phillips, Mxolisi Mgojo</i> |
| 12:30-13:30 | EXHIBITION & LUNCH |
| 13:30-17:00 | PARALLEL SESSIONS – TECHNICAL PAPER PRESENTATIONS |
| 17:30-20:30 | WELCOMING COCKTAIL FUNCTION |

PRELIMINARY CONFERENCE PROGRAMME

MAIN CONFERENCE DAY 2 : 28 AUGUST 2024

| | |
|-------------|--|
| 08:00-12:30 | Plenary – Heavy Haul Challenges and Opportunities |
| [15min] | 1. Welcoming Keynote, <i>Mr. Ian Bird, Senior Executive, Transport & Logistics Focal Area, Business Unity South Africa (BUSA)</i> |
| [15min] | 2. Mining Industry view and approach, <i>Industry Speaker to be confirmed</i> |
| [15min] | 3. Keynote Address, <i>Ms. Mpumi Zikalala, CEO, Kumba Iron Ore</i> |
| [20min] | 4. Heavy Haul Logistics Value Chain: A Pit to Port Approach, <i>Mr. Bennie Vorster, Regional Director, Hatch, Conference Silver Sponsor</i> |
| [30min] | 5. Restoring Rail capacity in South Africa: A Transnet Freight Rail Operations view, <i>Mr. Russell Baatjies, Chief Executive, Transnet Freight Rail</i> |
| [30min] | 6. Challenges, Successes and Long Term Solutions at Transnet Port Terminals, <i>Mr. Jabu Mdaki, Chief Executive, Transnet Port Terminals</i> |
| [20min] | 7. Thinking Differently about Rail Safety, <i>Mr. Warren Wellbeloved, General Manager Rail, BHP, Australia, IHHA Director</i> |
| [20min] | 8. National Logistics Crisis Committee – Progress update on Security Workstream, <i>Industry Speaker to be confirmed</i> |
| 12:30-13:30 | EXHIBITION & LUNCH |
| 13:30-17:00 | PARALLEL SESSIONS – TECHNICAL PAPER PRESENTATIONS |
| 18:30 | AWARDS & GALA DINNER |

PRELIMINARY CONFERENCE PROGRAMME

MAIN CONFERENCE DAY 3 : 29 AUGUST 2024

| | |
|-------------|--|
| 08:30–10:30 | Plenary – Heavy Haul Think Tank and Best Practice |
| [15min] | Welcoming Keynote, <i>Ms. Busisiwe Mavuso, CEO, Business Leadership South Africa (BLSA)</i> |
| [35min] | Panel 1: Fostering Collaboration that enables successful implementation of the Rail Reform Members: <i>Mr. Barry Bezuidenhout, Vice President Operations, Manganese SA, South32</i> <i>Dr. Andrew Shaw, Chief Strategy and Planning Officer, Transnet SOC Ltd</i> <i>Ms. Nosipho Siwisa–Damasane, Chairperson, RBCT</i> <i>Mr James Holly, CEO, Traxtion</i> |
| [20min] | Operational Excellence from the World’s Longest Heavy Haul Rail Line, <i>Mr. Chen Qiang, Haoji Railway, China, IHHA Member Country</i> |
| [20min] | The role of Research and Development in shaping the future of Heavy Haul, USA experience, <i>Ms. Kari Gonzales, President and CEO, MxV Rail, USA, IHHA Director</i> |
| [35min] | Panel 2 Sustainable Heavy Haul Members: <i>(Panelists to be Confirmed)</i> |
| 10:30–11:00 | EXHIBITIONS, TEA & COFFEE |
| 11:00–15:00 | TECHNICAL PAPER PRESENTATIONS |
| 15:00–16:00 | CLOSING PLENARY SESSION – FUTURE STRATEGIC DIRECTION AND NEXT STEPS |
| 16:30 | FAREWELL COCKTAIL FUNCTION |

TECHNICAL WORKSHOP PROGRAMME

Theme: "From Cradle to Grave – Fundamentals of Heavy Haul Railway Asset Management"

Welcoming Keynote by Workshop Sponsor, Mr. Fezile Dantile, Managing Director, Plasser South Africa and Plasser & Theurer

Registration and Welcome (07:30 – 08:30)

Slot 1: (08:30 – 09:20): Materials and Components Quality

- 🕒 **Title:** "Building Blocks for Durability"
- 🕒 **Overview:** Understanding the significance of high-quality materials and components in railway infrastructure
- 🕒 **Speaker:** Dr Emma Molobi, Principal Engineer, Rolling Stock Technology, Transnet Freight Rail

Slot 2: (09:20 – 10:10): Maintenance Strategies for Infrastructure

- 🕒 **Title:** "Preserving the Foundations: Infrastructure Maintenance"
- 🕒 **Overview:** Examining tailored maintenance strategies for railway infrastructure, emphasizing the importance of preserving the fundamental elements for long-term reliability
- 🕒 **Speaker:** Mr. Johan van Aardt, Chief Engineer, Rail Network, Transnet Freight Rail

Tea Break (10:10 – 10:30)

Slot 3: (10:30 – 11:20) Maintenance Strategies for Rolling Stock for Slot Protection

- 🕒 **Title:** "Optimizing On-the-Move: Rolling Stock Maintenance"
- 🕒 **Overview:** Delving into effective maintenance strategies for rolling stock, focusing on proactive measures to ensure the continuous reliability and performance of trains. Considerations for Condition Monitoring Systems as Slot Protection technologies for the Infrastructure Manager
- 🕒 **Speaker:** To be Confirmed

Slot 4: (11:20 – 12:10): Mechanised Maintenance on Heavy Haul Lines

- 🕒 **Title:** "Best practices for track maintenance on heavy-haul lines around the world utilizing on-track maintenance machinery"
- 🕒 **Overview:** Understanding and using best practices for maintenance on heavy-haul lines world wide
- 🕒 **Speaker:** Mr. Martin Winkelmayr, Senior Sales Manager, Plasser & Theurer

Lunch (12:10 – 13:00)

Slot 5: (13:00 – 13:50): Maintenance Strategies for Port Infrastructure

- ⊕ **Title:** “Shifting Gears: Port Infrastructure Maintenance”
- ⊕ **Overview:** Exploring effective maintenance strategies for port infrastructure to minimize downtime and optimize productivity
- ⊕ **Speaker:** Mr. Jaco Westhuizen, General Manager Engineering & Capital Projects, Transnet Port Terminals and Prof. Johann Wannenburg, Mining Engineering Department, University of Pretoria

Slot 6: (13:50 – 14:40): Replacement Planning

- ⊕ **Title:** “Strategic Asset Replacement”
- ⊕ **Overview:** Discussing methodologies for strategic asset replacement planning to ensure the continuous efficiency of railway systems. What are critical considerations to trigger replacement or major rail assets
- ⊕ **Speaker:** Mr. Mike Roney, Retired GM Rail Infrastructure, Canadian Pacific, IHHA Advisor

Slot 7: (14:40 – 15:30): Heavy Haul Rail Operational Efficiency

- ⊕ **Title:** “Maximizing Slot Capacity through Train Design”
- ⊕ **Overview:** Train design principles and how it is leveraged to benefit operations, taking into consideration rolling stock constraints, signalling and infrastructure layout, with Case studies
- ⊕ **Speaker:** Mr. Ross Hartley Pr. Eng, Miner Enterprises Inc.

Tea Break (15:30 – 15:45)

Slot 8: (15:45 – 16:35): Management of Railway Bridges

- ⊕ **Title:** “Reliability of Bridges”
- ⊕ **Overview:** Bridge management philosophies. Bridge management systems, Network-level bridge management, Elements of bridge management systems, Specific bridge management issues for railway bridges, Project-level bridge assessment, Applications of structural health monitoring and data analytics in bridge management, Integration of measured data with numerical models for bridge performance evaluation. Examples
- ⊕ **Speaker:** Prof Pilate Moyo PhD, Department of Civil Engineering, University of Cape Town

Slot 9: (16:35 – 17:25): Railway Asset Management Technologies

- ⊕ **Title:** “Innovations in Railway Asset Management Technologies”
- ⊕ **Overview:** The fundamentals of railway asset management, maintenance principles and philosophies, infrastructure health measurement and condition monitoring, data management and analytics, examples of new technologies that can aid railways with the implementation of effective and efficient railway asset management
- ⊕ **Speaker:** Prof. Hannes Gräbe, Professor & Head of Department: Civil Engineering, University of Pretoria

Each slot will consist of a 40-minute presentation followed by a 10-minute Q&A session. This comprehensive workshop aims to provide a holistic view of rail & port asset management, fostering knowledge from the initial stages through to the end of the asset life cycle.

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STUDENT CONFERENCE ATTENDANCE



PARTNERS

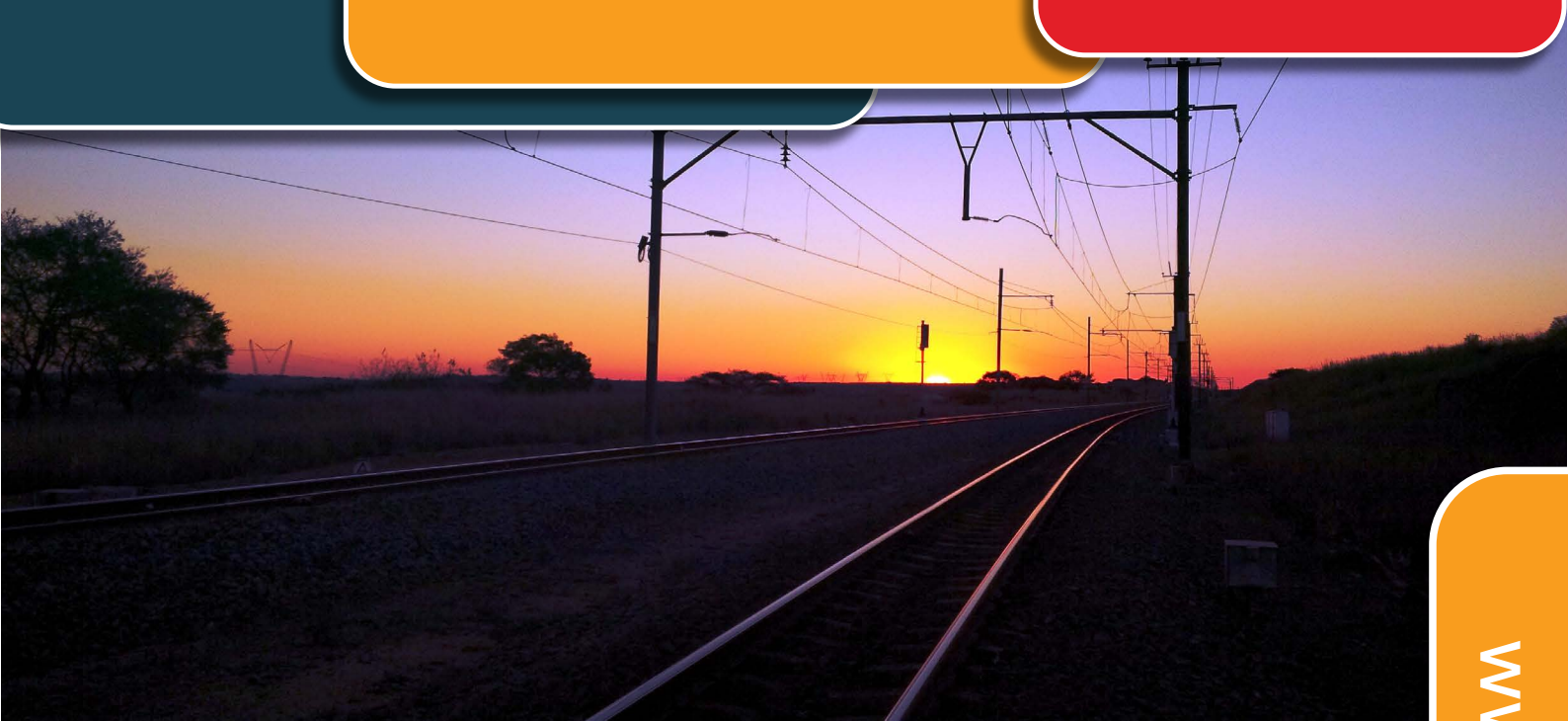


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EXHIBITION

An Exhibition will run concurrently with the SAHHA Conference 2024. This is an ideal opportunity for companies to showcase their latest technology, brand, products and services to the South African heavy haul community.

The two Cocktail Functions, Tea/Coffee breaks and lunch will be served in the exhibition hall, thereby ensuring a consistent flow of delegates into the exhibition hall. Exhibitors will therefore be exposed to a captive audience from the South Africa Heavy Haul Railway community for the duration of the event.

Exhibition Costs

| | |
|---|----------------------|
| 9m² Full Shell Scheme Stand | – R 45 000.00 |
| 9m² Exhibition Space Only | – R 40 000.00 |

Full Shell Scheme Package:

- A 3m wide x 3m deep x 2.4m high Shell Scheme Booth
- Two Exhibitor Registrations per 9m² booth purchased
- Company Name on fascia board
- One Plug Power Point
- Two Spot Lights
- Table & two chairs

Exhibition Space Only Package:

- 3m x 3m carpeted exhibition space
- Two Exhibitor Registrations per 9m² space purchased
- One Plug Power Point

To book an exhibition stand or sign in as a sponsor, visit website www.sahhaconf.co.za or email info@sahhaconf.co.za

REGISTRATION

To register for the conference, visit the conference website at www.sahhaconf.co.za and go to the Registration page.

Click on the register online button to open the Online Registration portal.

CONFERENCE REGISTRATION FEES

| | | |
|-----------------|------------|--------------------|
| Early Bird Rate | R 8 500.00 | Up to 26 July 2024 |
| Standard Rate | R 9 500.00 | From 27 July 2024 |

REGISTRATION FEE INCLUDES:

- Attendance to all conference sessions, 27 – 29 August 2024
- Delegate bag and contents
- Programme Book
- Access to the exhibition area
- Teas/Coffees and Lunch daily
- Attendance to the Welcome Cocktail Function, Gala Dinner and Closing Cocktail Function

TECHNICAL WORKSHOP REGISTRATION FEES

| | |
|--------------------|------------|
| Technical Workshop | R 4 500.00 |
|--------------------|------------|

REGISTRATION FEE INCLUDES:

- Attendance to the Technical Workshop on 26 August 2024
- Teas/Coffees and Lunch
- Receiving the workshop material

NETWORKING PROGRAMME

Welcome Cocktail – 27 August 2024

The Welcome Cocktail function will take place on Tuesday, 27 August 2024, after the closing of the day's sessions. This will take place at the exhibition hall and is an ideal opportunity to reconnect and network with friends, colleagues and industry professionals.

The Welcome Cocktail, sponsored by Tshipi e Ntle Manganese Mine, is included in the registration fee and is at no extra cost.

Awards and Gala Dinner – 28 August 2024

The Awards and Gala dinner will be held on 28 August 2024. *"A night never to be forgotten"*, where Industry professionals and friends will relax, network, and most importantly have fun.

The Gala Dinner is included in the registration fee, registered delegates are therefore entitled to attend the gala dinner at no extra cost.

Farewell Cocktail – 29 August 2024

The Farewell Cocktail will take place in the exhibition hall on 29 August 2024 after the official closing of the conference. This will be an ideal opportunity to say farewell to your old and new contacts and an exciting way to end a great conference.

The Farewell Cocktail, sponsored by Grindrod, is included in the registration fee and is at no extra cost.



ACCOMMODATION

Located in close proximity to OR Tambo International Airport and offering a free shuttle service to and from OR Tambo, Emperors Palace offers a selection of onsite accommodation options to suite different budgets, for delegates attending the SAHHA Conference 2024.

These include –

1. The Metcourt Hotel – 3 Star ★ ★ ★
2. The Metcourt Suites Hotel – 3 Star ★ ★ ★
3. The Mondior Hotel – 4 Star ★ ★ ★ ★
4. The D'Oreale Grande Hotel – 5 Star ★ ★ ★ ★ ★





www.sahhaconf.co.za

CONTACT DETAILS

CONTACT

Conference Secretariat:

Tel.: +27 21 836 8315

Fax: +27 86 565 8914

Email: info@sahhaconf.co.za

Website: www.sahhaconf.co.za

CONFERENCE VENUE

Emperors Palace Convention Centre

64 Jones Road, Kempton Park,

Johannesburg, South Africa, 1619

www.emperospalace.co.za