



HEFMA CONFERENCE 2023
**MAINTENANCE
MATTERS**
SUSTAINABLE CAMPUS INFRASTRUCTURE

HEFMA 2023 PROGRAMME



UNIVERSITY OF THE
FREE STATE
UNIVERSITEIT VAN DIE
VRYSTAAT
YUNIBESITHI YA
FREISTATA



UFS
UNIVERSITY ESTATES

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Welcome to HEFMA2023

When maintenance and efficiency go together, the performance of your establishment will excel environmentally, socially, and economically. That is why we are here – because we understand that maintenance matters, and we need to make a difference. Sustainability and Accountability are key values of the University of the Free State Vision 130 which is aligned with our Strategic Plan (2023-2028) – this event speaks to the core of our operations.

During the conference week, we will share experiences, knowledge, questions, challenges, and innovative solutions. I am confident that you will leave with renewed enthusiasm to increase the resilience of your facilities sustainably. There are many highlights in our programme, check it out, ask questions and network with like-minded people. Welcome to Bloemfontein – a city built on hospitality, the most sustainable foundation there is.



Nico Janse van Rensburg,
University Estates UFS
Chairperson HEFMA2023

**Wi-fi access via Eduroam or wi-fi vouchers
available from the registration desk.**



Event Organiser | **Conferences et al**
Deidre Cloete: 083 261 0207
Nicole Bisschoff | deidre@iafrica.com

Programme at a Glance

SUNDAY, 15 OCTOBER 2023

Executive Meeting - Full Day

MONDAY, 16 OCTOBER 2023

AM	Workshop 1	Workshop 2
	Lunch	
PM	Conference Opening Conference Plenary & Parallel Sessions & Panel Discussion	
Evening	Welcome Cocktail	

TUESDAY, 17 OCTOBER 2023

AM	Conference Plenary & Parallel Sessions & Panel Discussion	
	Lunch	
PM	Conference Plenary & Parallel Sessions & Panel Discussion	
Evening	Gala Dinner	

WEDNESDAY, 18 OCTOBER 2023

AM	Conference Plenary & Parallel Sessions & Panel Discussion	
	Lunch	
PM	Campus Tour	
Evening	Naval Hill - Presentation Spitbraai	

THURSDAY, 19 OCTOBER 2023

AM	Conference Plenary & Parallel Sessions & Panel Discussion	
	Conference Closing	
	Lunch	



Registration & Hospitality Desk

The Registration and Hospitality Desk will be situated in the entrance of the James Moroka Building – Rektor Road, UFS Campus

The Registration/Hospitality Desk will operate as follows:

- Monday, 16 October 2023 from 07:30 to register delegates who will be attending the workshops that commence at 09:00.
- The Desk will remain open throughout the day to register those delegates arriving for the conference.

Registration/Hospitality Desk hours Tuesday to Thursday

- Tuesday, 17 October from 07:30 to 16:00
- Wednesday, 18 October from 07:30 to 14:00
- Thursday, 19 October from 07:30 to 14:00

The staff at the Desk will assist Delegates with the following:

- Technical assistance to speakers;
- Programme assistance
- General conference enquiries

James Moroka Building



Conference Shuttle

Daily and function shuttles

IMPORTANT TO NOTE: Daily conference shuttle to and from conference venue only operates from the Southern Sun Hotel. You require your Southern Sun key-card to board the shuttle.

	Departure from Southern Sun Hotel to the conference venue	Campus Tour, Planetarium and Spitbraai departure from the conference venue	Departure from Southern Sun Hotel to the conference venue	Gala Dinner: Departure from Southern Sun Hotel to the Centenary Hall
Mon, 16 Oct	07:30 12:00		19:00 after the Cocktail	
Tues, 17 Oct	07:30		17:00 after the conference	18:30 Departure to the Centenary Hall for the Gala Dinner - Shuttle will return to the Southern Sun Hotel at 23:00
Wed, 18 Oct	07:30	14:40 Depart on the Campus tour from the conference venue. 17:00 the coach continues to Naval Hill for the presentation at the Planetarium and the Spitbraai. Shuttles will return back to the Campus at 22:30*		
Thurs, 19 Oct	07:30		14:00 after the conference	

*Campus Tour/ Planetarium Show and Spitbraai

- The shuttle will return to the conference venue at approximately 22:30 for attendees who parked at the campus.
- Delegates staying at the Southern Sun Hotel will be transported to their hotel after the event, ensuring a safe and convenient return.
- Please note that this schedule is subject to change, and any updates will be communicated accordingly.

Evening Social Programme

Welcome Reception

Date: Monday, 16 October 2023

Time: 17:00 to 19:00

Venue: James Moroka Building – Metro 7 (ground floor)

Dress: Smart Casual

The Welcome Function is an opportunity to meet up with old colleagues and to network with new ones.

Gala Dinner

Date: Tuesday, 17 October 2023

Time: 18:30 for 19:00

Venue: Centenary Hall –

University Road, UFS Campus

Dress: Smart

Join us for an evening in the City of Roses to enjoy good food, wine and entertainment.

Campus Tour and Planetarium Show / Spitbraai

Date: Wednesday, 18 October 2023

Time: 14:30

“Get ready for an electrifying journey as delegates embark on a thrilling tour of UFS Bloemfontein Campus! Explore the cutting-edge UFS Bloemfontein Campus Solar Farm, immerse yourself in the captivating Science Park, and experience the award-winning Modular Lecture Space. Relax with refreshing beverages at the revamped, eco-friendly Red Square oasis before concluding the adventure at our state-of-the-art residence. Unforgettable memories await!”

The Campus Excursion will proceed from the campus to Naval Hill for the presentation at the Planetarium and the Spitbraai. The coach will return to the conference venue at approximately 22.30 for those who parked at the campus. Delegates staying at the Southern Sun Hotel will be transported back to the hotel.

Welcome to the HEFMA Conference: Maintenance Matters

We are thrilled to extend a warm invitation to the annual HEFMA Conference, where we delve into the crucial theme of “Maintenance Matters.” In the dynamic landscape of higher education, sustaining and enhancing campus infrastructure is paramount.

This year, our conference will spotlight the intersection of sustainability and effective infrastructure management. Join us as we explore innovative solutions, share best practices, and engage in insightful discussions aimed at ensuring the longevity, efficiency, and environmental responsibility of campus facilities. Get ready to connect with experts, exchange ideas, and pave the way for a greener, more sustainable future for educational institutions worldwide. Welcome to a transformative journey where maintenance truly matters.

Programme information for presenters

- All presenters are required to submit their presentation file on a USB memory stick during registration on the first day of the conference or at least one day prior to the day of their session.
- A technician will be available at the Speaker Help Desk to assist presenters to upload their presentations.
- PowerPoint files must be named with the presenting authors family name and first name.
- Please adhere to the time allotted for your presentation.

Chairpersons instructions

- Chairpersons must please meet the presenters of their session 15 minutes prior to their session in the allocated venue.
- Please start the session by introducing yourself and welcoming the delegates.
- Timekeeping: Keep a close eye on the schedule to ensure each presentation adheres strictly to the allotted time.
- Introduce Speakers: Briefly introduce each speaker, including their name and affiliation.
- Moderate Q&A: Manage the question-and-answer session after each presentation, ensuring questions are concise and relevant.
- Keep the Session on Track: Politely remind presenters if they exceed their allocated time, and signal when it's time to wrap up.
- Every effort will be made by the organizers to confirm that all the presenting authors are present and have uploaded their presentations prior to the session.

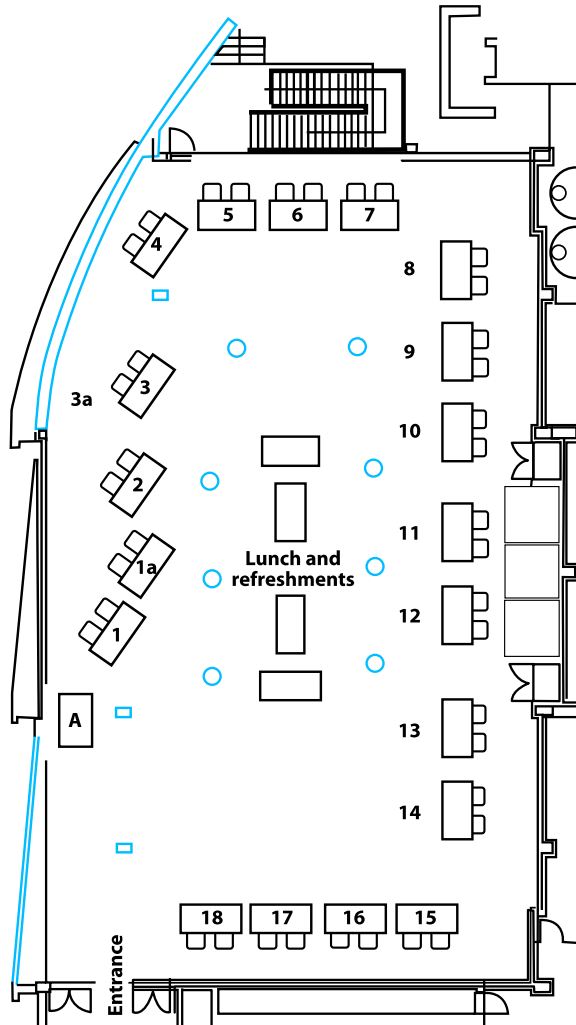
HEFMA2023 Floorplan - Metro 7 Venue

A. Barista

Exhibitors

1. BVI
- 1a. Tsebo
2. Gallagher
3. FS- Systems
- 3a. Zutari
4. Smec
5. Beka Schröder
6. Atbro
7. Pure Campus Solutions
8. Verster Berry
9. ACS
10. Impact Cleaning Integrated Systems
11. ITE Products
12. ITE Products
13. Limco
14. Purco
15. Servest
16. Acorn
17. MS Aircon
18. Premo

Adenco outside





HEFMA2023 CONFERENCE

University of the Free State, Bloemfontein
16 to 19 October 2023

MONDAY, 16 OCTOBER 2023

TIME	Venue A Event/Speaker	Venue B Event/Speaker
08:00	Delegates arrival and registration for the workshops and conference	
09:00 - 10:00	SANS 19650-2 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM). Richard Matchett – <i>Zutari</i> , Rudd van Deventer - <i>Spaceworx</i>	Energy Performance Certificates - Prof O.D. Dintchev – <i>Dept of Mineral and Energy</i>
10:00 - 10:30	Tea and exhibitions	
10:30 - 12:00	Workshop Continues	SAAMA workshop: The Maintenance Journey to Improved Facilities Asset Management - Logan Reddy
12:00 - 13:00	Lunch	
	Chairperson: Nico Janse van Rensburg Conference Opening	
13:00 - 13:45	<i>UFS Deputy Vice-Chancellor: Operations</i> – Prof Prakash Naidoo	
13:45 - 14:00	Welcoming by HEFMA President - Ms Maureen Malaka	
14:00 - 15:00	Panel discussion - Universities supporting Planetary Health through the UN Sustainable Development Goals: Molapo Qhobela (Facilitator) <i>UFS Deputy VC: Institutional Change, Strategic Partnerships And Societal Impact</i> . Additional Panel Members : Mr Syd Cottle, Ms Kate Robertson, Mr Nicolaas Esterhuysen, Dr Surina Esterhuyse.	
15:00 - 15:30	Tea and exhibitions	
	Chairperson: Nicolaas Esterhuysen	
15:30 - 16:00	Ms Nolwazi Gasa, <i>Deputy Director-General: Planning Department of Higher Education and Training</i>	
16:00 - 16:30	Rakgetsana Ntlema, <i>Head of Energy - Tsebo Energy Solutions</i>	
16:30 - 17:00	Meshal Moonsamy <i>PURCO Business Development Manager (Universities)</i>	
17:00 - 19:00	Welcome Reception at the James Moroka Building	

TUESDAY, 17 OCTOBER 2023

TIME	Venue A Event/Speaker	Venue B Event/Speaker
07:30	Registration/Hospitality Desk open	
08:00 - 08:45	Tea and exhibitions	
08:45 - 09:30	Chairperson: Chantelle Loubser Syd Cottle, <i>University of Liverpool, United Kingdom (AUDE)</i>	
09:30 - 10:00	Mr Sam Zungu <i>Deputy Director-General: TVET Department of Higher Education and Training</i>	
10:00 - 10:30	Tea and exhibitions	
10:30 - 11:00	Chairperson: Albie Louw Hybrid solar assisted air source heat pump Dr Stephen Tangwe - <i>Senior Research Fellow in the department of Electrical, Electronic and Computer Engineering, Central University of Technology</i>	Chairperson: Mzamo Kabanyane Sustainability report SUN and Waste Management Nadeem Gafieldien <i>Director Property Services, Stellenbosch University</i>
11:00 - 11:30	Qwaqwa Micro grid Design and operations Nicolaas Esterhuysen - <i>Electrical Engineer (University Estates), UFS</i>	Tridium and IOT implementation casestudy André Niemand - <i>Director SSD Controls</i>
11:30 - 12:00	UFS Modular Space Building Anton Roodt - <i>Architect, Roodt Architects</i>	Sustainable water and Energy Solutions Prof Andre Nel - <i>Executive Director: Facilities Management, University of Johannesburg</i>
12:00 - 13:00	ITE Products - <i>Innovated construction products</i> Peter Funke - <i>Director ITE Products</i>	
13:00 - 14:00	Lunch	
14:00 - 14:30	Chairperson: Kabelo Mocwane Planning of open spaces and waterless gardens Adelle De Jonge - <i>Landscape Architect, De-Studio</i>	Chairperson: Maureen Malaka Sustainability and Smart Strategy Martin Smith

14:30 - 15:00	Integrated water systems Pieter de Kock - <i>Regional Manager, Ingerop</i>	Infrastructure Delivery Procurement Model - Dr Ron Watermeyer
15:00 - 15:30	Tea and exhibitions	
15:30 - 16:30	HEFMA Presidents Panel: Reflecting on our past achievements and Building into the Future. Mr Nadeem Gafiieldien - <i>Director Property Services, University of Stellenbosch (facilitator)</i> , Dr Joe Manyaka (UJ), Vanessa Ranjit (TUT), Israel Mogomotsi(Wits) and Melvin Syce (NMU)	
18:30 for 19:00	Gala Dinner at the Centenary Hall at UFS	

WEDNESDAY, 18 OCTOBER 2023

TIME	Venue A Event/Speaker	Venue B Event/Speaker
07:30	Registration/Hospitality Desk open	
07:30 - 08:15	Tea and exhibitions	
08:15 - 09:00	Chairperson: Benedict Mochesela Kate Robertson, <i>University of the Sunshine coast, Australia (TEFMA)</i>	
09:00 - 10:00	Panel discussion - A responsible and financially sustainable approach to insourcing of outsourced workers. Dr Kgomotso Kasonkola (Facilitator) - <i>Human Resources: Senior Director, WITS</i> - Presentation : Mrs Susan van Jaarsveld. Additional Panel Members : Prof Prakash Naidoo, Dr Joe Manyaka	
10:00 - 10:30	Tea and exhibitions	
10:30 - 11:00	Chairperson: Benedict Mochesela TEFMA & AUDE Visist and Summer School feedback Nadeem Gafiieldien, Sisa Mbeki and Nare Mokobane	Chairperson: Belinda Qhesi Fire management Dorian Dennis – <i>Sales & Account Director at FS Connect</i>
11:00 - 11:30	Asset Management Frameworks Steven Molloy – <i>Chairperson of the SABS Technical Committee on Facilities Management.</i>	Fleet management Mr Timothy Mudau - <i>Deputy Director: Operations, Wits</i>
11:30 - 12:00	Budgeting for Maintenance Chris Liebenberg, <i>Senior Director (Finance), UFS</i>	Case Study: Library of the future Henry Pretorius - <i>Architect, Premo Consulting Wits</i>

12:00 - 13:00	HEFMA AGM	Visit to Health Science Library of the future
13:00 - 14:30	Lunch	
14:30 - 16:30	Campus Tour (delegates will be taken directly to Naval Hill after the campus tour)	
17:30 - 22:30	Planetarium Show and Spitbraai on Naval Hill.	

THURSDAY, 19 OCTOBER 2023

TIME	Venue A Event/Speaker	Venue B Event/Speaker
07:30	Registration/Hospitality Desk open	
07:30 - 08:15	Tea and exhibitions	
08:15 - 09:00	Chairperson: Lindokuhle Mzolo Maintenance Matters - Are you digitally sure maintenance matters? Dr Vic Coetzee - <i>Senior Director (ICT Services), UFS</i>	
09:00 - 10:00	Reporting: University Infrastructure Grants Funding Allocations Tshiamo Moleme DHET	
10:00 - 10:30	Tea and exhibitions	
10:30 - 11:00	Chairperson: Zodwa Mavhungu Digitalizing Campus Security Jacobus van Jaarsveld - <i>Deputy Director Security – UFS</i>	Chairperson: Israel Mogomotsi Maintenance efficiency in the Digitization Era Benedict Mochesela - <i>Maintenance Manager (University Estates), UFS</i>
11:00 - 11:30	Lessons learned for effective project management Yandisa Lengoasa	Tridium and Niagara software systems integration Jimmy Jose – <i>Regional Manager, Tridium Europe Limited</i>
11:30 - 12:00	Chairperson: Nicolaas Esterhuysen Trevor Ackerman – <i>Impact Cleaning Integrated Services</i>	
12:00 - 12:30	The Role of Technology in Energy Management Kgomotso Jaca - <i>BFM Energy & Green Building Specialist</i>	
12:30-13:00	Closing	
13:00 - 14:00	Lunch	
14:00 - 15:00	Departure	

The organisers reserve the right to change the programme without prior notice.



UFS Red Square



Hefma Organising Committees

We wish to thank the Organizing Committee for their hard work and commitment to ensure the success of HEFMA Congress.

Local Organising Committee

Mr Nico Jance van Rensburg	Senior Director:	University Estates, UFS
Mr Nicolaas Esterhuysen	Director:	University Estates, UFS
Ms Rianda Kriel, Assistant	Assistant Director:	University Estates, UFS
Ms Chantelle Loubser	Chief Officer:	University Estates, UFS
Ms Sikelelwa Katsi	Senior Assistant Officer:	University Estates, UFS

Hefma Executive 2022/2023

Ms Maureen Malaka	<i>President</i> Sol Plaatje University of Technology
Mr Nadeem Gafieldien	<i>Immediate Past President</i> University of Stellenbosch
Mr Lindokuhle Mzolo	<i>President Elect</i> University of Johannesburg
Mr Miyelani Baloyi	<i>Director: Information Services</i> Tshwane University of Technology
Mr Mzamo Kabanyane	<i>Director: Professional Dev. & Training</i> Central University of Technology
Mr Israel Mogomotsi	<i>Director: Business Partners</i> University of Witwatersrand
Ms Zodwa Mavhungu	<i>Treasurer</i> University of South Africa
Mr Kabelo Mocwane	<i>Secretary</i> University of Johannesburg

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