

## CONSTRUCTION IN 5D: DECONSTRUCTION, DIGITALIZATION, DISRUPTION, DISASTER, DEVELOPMENT: THE FINAL CHAPTER

### DAY 1: MONDAY, 9 OCTOBER 2023

08h00-09h00	<b>REGISTRATION, MORNING TEA &amp; NETWORK</b>
	<b>PLENARY 1: ONYX</b> Chair: Chris Allen
09h00-09h20	<b>WELCOME ADDRESS</b> <i>Prof. Theo Haupt</i> University of Wyoming – Wyoming, USA
09h20-09h50	<b>Keynote Address:</b> The Role of the Expert Witness in the Construction Industry <i>Dr. Hendrik Prinsloo</i> HPH Consultants – San Diego, USA
09h50-10h20	<b>Keynote Address:</b> Revolutionising the Management of the Business of Construction Through Digitalisation <i>Chris Allen</i> Nelson Mandela University – Gqeberha, South Africa
10h20-10h50	<b>Keynote Address:</b> Bridging the Information Gap Between Site and the Temporary Works Design Office using XR <i>Dévan Venter</i> Senior Project Engineer - PERI Formwork Scaffolding Engineering – Western Cape, South Africa
10h50-11h10	<b>MORNING TEA</b>
11h10-11h30	<b>Exhibitor Presentation - Juta Publishers</b>
11h30-12h00	<b>Teaser Campaign – One Minute Slide Presentations for Day 1</b>
12h00-12h40	<b>CONFERENCE LUNCH</b>

**PLENARY 2: PARALLEL SESSIONS**

**Chair: Wayne Draai**  
**VENUE: ONYX**

**Chair: Ferdinand Fester**  
**VENUE: EMERALD**

**12h40-13h00**

*Closing the Gender Gap: An Investigation of the Feminine Paradigm in the Architectural Design Firms*  
Rodayna Ehab, Ayman Ahmed Ezzat Othman, Fatma O. Alamoudy,  
**Nishani Harinarain**

*WikiHouse: A Sustainable Alternative to the South African Housing Problem*  
**Niel Coetsee**, Schalk Grobbelaar

**13h00-13h20**

*Building a Stronger Construction Industry: The Indispensable Contributions of Professional Associations and Institutes*  
**Progress Chigangacha**, Graham Teede, Theo Haupt

*The Use of Artificial Photosynthesis in the Construction of Building Façades*  
Mpidiseng Mohlaba, Manqoba Mthimkhulu, Asanda Gwala,  
**Lungie Maseko**

**13h20-13h40**

*An Alternative Sustainable Walling Material for Building Projects in Construction Industry*  
**Iruka Chijindu Anugwo**, Olatunji Oladiran, Dele Simeon

*Challenges affecting the adoption of Industry 4.0 technologies in enhancing construction project delivery in Zimbabwe*  
**Rangarirai Muvungani**

**13h40-14h00**

*Exploring Nuances within Small and Medium-sized Contractors Taxonomy in the Namibian Construction Industry - The Pursuit of Progressive SMC Development*  
**Tinoapei Dhliwayo**, Innocent Musonda, Trynos Gumbo

*The Potential of Circular Economy Practices in the Built Environment in Africa: A Perspective of Construction Industry Stakeholders*  
Jacob Mhlanga, **Claudia Loggia**, Theo Haupt

**14h00-14h20**

*Assessing the Efficacy of Capital Financing Strategies Utilised by Small and Medium-sized Contractors in Windhoek, Namibia*  
Tinoapei Dhliwayo, **Innocent Musonda**, Trynos Gumbo

*Adaptive Coping and Maladaptive Coping as Moderators Between Job Stressors and Subjective Wellbeing Among the Construction Workforce in South Africa*  
**Mohlomi Raliile**, Theo Haupt, Kahilu Kajimo-Shakantu

**14h20-14h40**

*A Corporate Social Responsibility Framework for Achieving Sustainability in Construction Projects: The Architects Role in Egypt*  
Dina Hussein, Ayman Othman, Fatma Alamoudy, **Nishani Harinarain**

*A Toe Framework for AI-Enabled Asset Information Management in Healthcare Facilities*  
**Motheo Tjebane**, Innocent Musonda

**14h40-15h00**

**AFTERNOON TEA - SET UP FOR ROUNDTABLE**

**PLENARY 3**

**Chair: Chris Allen**

**15h00-16h30**

**Keynote Address: Mentorship**

**Dan Bedford** - President – Associated General Contractors of Wyoming (AGC)

**Industry Roundtable: Bridging the Chasm: Addressing the Skills Shortage in the Construction Industry through Education**

**Chair: Bob Hindle** - Independent Researcher & Writer

**Co-Chair: Prof. Theo Haupt** - University of Wyoming – Wyoming, USA

**PLENARY 4: PARALLEL SESSIONS**

**Chair: John Smallwood**

**VENUE: ONYX**

**Chair: Claudia Loggia**

**VENUE: EMERALD**

**16h40-17h00**

*Emergence of the Construction Mafia in South Africa*

Ayesha Mall, Theo Haupt, **Ferdinand Fester**

*Barriers to Adopting PropTech in Property Valuation Practice*

**Hannah Tsitsi Mago**, Benviolent Chigara

**17h00-17h20**

*Why I Registered for Construction Management*

Ashvin Manga, **John Smallwood**

*A Critical Review of the Potential of Decentralised Energy Systems in Rural Settlements. The Case of uMkhanyakude District in South Africa*

**Mcebo Mathenjwa**, Claudia Loggia

## DAY 2: TUESDAY, 10 OCTOBER 2023

08h30-09h00	<b>REGISTRATION, MORNING TEA &amp; NETWORK</b>
	<b>PLENARY 5: RUBY</b> Chair: Prof. Theo Haupt
09h00-09h10	<b>WELCOME AND RECAP OF MONDAY</b>
09h10-09h40	<b>Keynote Address:</b> Building Back Better <i>Innocentia Mahlangu</i> SHEngineers
09h40-10h10	<b>Keynote Address:</b> Disruption and Regeneration <i>Jeremy Gibberd</i> CSIR
10h10-10h40	<b>Keynote Address:</b> Material Reuse Ecosystems for a Circular Economy in Informal Settlements <b>Deepika Raghu</b> ETH University – Zurich, Switzerland
10h40-11h10	<b>Keynote Address:</b> Making Sense of the Ailing African 'Rhinoceros': Navigating Toward a More Sustainable Pathway into the Future <i>Prof. PD Rwelamila</i> Graduate School of Business Leadership (GSBL), University of South Africa (UNISA) – South Africa
11h10-11h30	<b>MORNING TEA</b>
11h30-12h00	<b>Keynote Address:</b> Transformation in the Built Environment and Built Environment Transformation: A review of Built Environment Project Delivery and Transformation <i>Prof. Innocent Musonda</i> University of Johannesburg, South Africa
12h00-12h30	<b>Teaser Paper Presentations for Day 2</b>

PLENARY 6: PARALLEL SESSIONS		
	<b>Chair: Ferdinand Fester</b> <b>VENUE: RUBY</b>	<b>Chair: Mohlomi Raliile</b> <b>VENUE: EMERALD</b>
<b>12h30-12h50</b>	<i>The Integration of BIM Education into the South African Quantity Surveying Curriculum</i> <b>Tascha Bremer</b>	<i>Measures for stakeholders' participation and grievance management in Transmission Company of Nigeria (TCN) projects</i> Olatunji Oladiran, Raphael Ojelabi, <b>Iruka Chijindu Anugwo</b> , Oladunni Bamidele
<b>12h50-13h10</b>	<i>Evaluating the Causes of Poor Delivery of Social Infrastructure Projects: A Case of Limpopo and Mpumalanga Provinces</i> <b>Alfred Rapitsi Rasebotsa</b> , Justus Ngala Agumba	<i>Analysing and Sharing Projects' Data Using Artificial Neural Networks for Bid Evaluation Purpose</i> Rudzani Glen Muthelo, <b>Charles Mothobiso</b> , Molebogeng Mogalanyane
<b>13h10-13h30</b>	<i>Equitable Risk Sharing in South African Construction Projects During Exceptional International Events</i> Zamageda Zungu, Lesedi Kumalo, Johannes Modukanele, Motheo Ramokala	<i>Shopping Centres and Approximate Residential Property Prices: A Case Study Windhoek: Namibia</i> <b>Elizabeth Tuaire</b> , Innocent Musonda, Adetayo Onososen
<b>13h30-14h10</b>	<b>LUNCH</b>	
<b>14h10-14h30</b>	<i>Exploring the Factors Hindering the use of Project Management Processes in Delivering RDP Houses in Tshwane</i> <b>Kgabo Cholo</b> , Justus Agumba	<i>Adoption of Engineered Wood Products in the Building Construction Industry – A Conceptual Model</i> <b>Ferdinand Senam Hassan</b> , Schalk Grobbelaar
<b>14h30-14h50</b>	<i>The Synergy of Artificial Intelligence, Asset Information Management, and Healthcare Facilities Management: A Systematic Literature Review</i> Motheo Tjebane, <b>Innocent Musonda</b>	<i>Challenges Encountered in Implementing Maintenance Strategies in Public Health Facilities: A Case of Limpopo Province</i> <b>Mawela Joseph Lebea</b> , Justus Ngala Agumba, Oluseyi Julius Adebawale
<b>14h50-15h10</b>	<i>The Causes and Cost Implication of Poor Site Management on Construction Projects</i> Kahilu Kajimo-Shakantu, <b>Charles Poleni Mukumba</b>	<i>Recent Trends of Geopolymer Development in the Southern African Built Environment</i> <b>Jabulani Matsimbe</b> , David Olukanni, Megersa Dinka, Innocent Musonda
<b>15h10-15h30</b>	<i>Small and Micro Enterprise Contractors Response to Subcontracting Policy: A Resource-Based View Perspective</i> Kahilu Kajimo-Shakantu, <b>Charles Poleni Mukumba</b>	<i>Evaluating Factors that Hinder Contractors to Utilise Correct Material Management System</i> Bongekile Mdudi, Cecilia Modupe Mewomo, <b>Chikezirim Okorafor</b>

**15h30-15h50**

*Barriers to Managing Construction Material Waste in Zimbabwe*  
Rutendo Rachel Kativu, Benviolent Chigara, **John Smallwood**

*The Critical Success Factors for the Effective Implementation of Post Occupancy Evaluation Practices: A Case Study of RDP buildings in Mpumalanga Province*  
Nkuthalo John-Junior Simelane, Cecilia Modupe Mewomo, **Chikezirim Okorafor**

**15h50-16h10**

*Dispute-prone Clauses in Standard Conditions of Building Contracts for Construction Projects in Tanzania: A Qualitative Study*  
**Nyamagere Gladys Sospeter**

*Productivity Improvement and Developing Framework for Roads Maintenance: A Case Study of Johannesburg Roads Agency and Ethekwini Metropolitan Municipality*  
**Sandile Bonga Dube**, Morena Nkomo, Molusiwa Ramabodu

**16h10-16h30**

**CONFERENCE CLOSURE & AWARDS**

**Thank you for your attendance.**