



**SAFHE**

in collaboration with



DAY 1

10 August 2022

13h00 – 16h55 SAST

**HEALTHCARE INFRASTRUCTURE**

Shaping the Future

**PROGRAMME – DAY 1**

13h00 – 13h20	<b>OPENING ADDRESS</b> By: Kevin Poggenpoel – President, SAFHE and Prof Folasade Ogunsola – Chairperson, ICAN
13h20 – 13h50	<b>THE BENEFITS OF COLLABORATION BETWEEN MEDICAL AND ENGINEERING</b> By: Briëtte du Toit – Programme Manager and Training Coordinator, ICAN
13h50 – 14h20	<b>SUSTAINABILITY AND COLLABORATION WITH RESPECT TO FUTURE BUILDINGS</b> By: Lisa Reynolds – CEO, The Green Building Council of South Africa (GBCSA)
14h20 – 14h30	Comfort break
14h30 – 15h00	<b>CHALLENGES IN A MALE DOMINATED ENVIRONMENT</b> By: Daniela Pedrini – President / Engineer / PM, IFHE & SIAIS
15h00 – 15h30	<b>ONEHEALTH &amp; IPC WITHIN THE BUILT ENVIRONMENT</b> By: Dr Yewande Alimi – AMR and One Health Program Coordinator, Africa CDC
15h30 – 15h40	Comfort break
15h40 – 16h10	<b>ROLE OF HEALTHCARE STAKEHOLDERS IN SHAPING A SUSTAINABLE FUTURE IN HEALTHCARE DELIVERY</b> By: Mokete Litelu – Group Manager: Procurement, Mediclinic
16h10 – 16h40	<b>COMMUNICATION IN HEALTHCARE; GLOBAL CHALLENGES IN THE 21ST CENTURY</b> By: Dr Harriet Etheredge – Head of Ethics and Regulatory Strategy, Wits Donald Gordon Medical Centre
16h40 – 16h55	<b>DAY 1 CLOSING</b> By: Kevin Poggenpoel – President, SAFHE



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**PROGRAMME – DAY 2**

TRACK A – DIGITAL TRANSFORMATION IN HEALTHCARE	12h00 – 13h00	TRACK B – ENVIRONMENT: WHERE IS THE RISK?
<p><b>AI MODELS FOR ENERGY AND RESOURCE OPTIMISATION IN HEALTH FACILITIES</b> By: Lance Roy – Design Engineer AI Solutions, AI Engineers</p>	12h00 – 12h15	<p><b>TARGETED HYGIENE – PROTECTING THE ENVIRONMENT</b> By: Prof Folasade Ogunsola – Chairperson, Infection Control Africa Network (ICAN)</p>
<p><b>DIGITAL TWINS IN THE OPERATION AND MANAGEMENT OF HEALTHCARE FACILITIES</b> By: Mekarl Sanichur – Built Environment: Solution Architect, Virtual Infrastructure</p>	12h15 – 12h30	<p><b>DETECTING RISK ON SURFACES – ENVIRONMENTAL MICROBIOME</b> By: Dr Joost Hopman – Medical Director and Clinical Microbiologist, Radboud University Medical Center, University of Lagos</p>
<p><b>4IR – YOUR PRESCRIPTION FOR BETTER FACILITY AND PORTFOLIO RELIABILITY</b> By: Katherine Roper – CEO, Roper.Consulting</p>	12h30 – 12h45	<p><b>IMPLEMENTING THE ENVIRONMENTAL CLEANING TOOLKIT PROGRAM– THE LUTH EXPERIENCE</b> By: Dr Damilola Adeniyi – Program Manager, Centre for Infection Control And Patient Safety (CICAPS)</p>
<p>Panel discussion chaired by Denton Smith – Deputy Director: Technical Services, Western Cape Department of Health: Groote Schuur Hospital</p>	12h45 – 13h00	<p>Panel discussion chaired by Prof Mamy Randria – Chief of the Infectious Diseases Unit, University Hospital Joseph Raseta Befelatanana, Madagascar</p>
Comfort break	13h00 – 13h10	Comfort break
TRACK A – OPERATIONAL EFFICIENCY	13h10 – 14h10	TRACK B – INNOVATION IN IPC TRAINING
<p><b>AN EXPOSÉ OF SMART ASSET MANAGEMENT APPLICATIONS LEVERAGING HEALTHCARE WITHIN THE 4IR</b> By: Charles Nel – Regional Operations Manager, Siemens Healthineers</p>	13h10 – 13h25	<p><b>VIRTUAL TRAINING AND PRACTICAL IMPLEMENTATION IN IPC</b> By: Briëtte du Toit – Programme Manager and Training Coordinator, ICAN</p>
<p><b>OPERATING THEATRE LAYOUT: OPTIMIZING PERFORMANCE AND SAFETY</b> By: Dr Ian Findlay – Anaesthesiologist, The Sharp End</p>	13h25 – 13h40	<p><b>NEW WAYS TO REACH HCW ACROSS AFRICA ON IPC</b> By: Dr Yewande Alimi – AMR and One Health Program Coordinator, Africa CDC</p>
<p><b>AI AND THE TOOL GUY</b> By: Denton Smith – Deputy Director: Technical Services, Western Cape Department of Health: Groote Schuur Hospital</p>	13h40 – 13h55	<p><b>IMPROVING THE STRENGTH OF IPC PROGRAMMES THROUGH MENTORING</b> By: Alethea Mashamba – Project Director, Infection Control Association of Zimbabwe (ICAZ) Projects</p>
<p>Panel discussion chaired by Lance Roy – Design Engineer AI Solutions, AI Engineers</p>	13h55 – 14h10	<p>Panel discussion chaired by Anna Vorndran – Executive Manager, ICAN</p>
Comfort break	14h10 – 14h30	Comfort break

# PROGRAMME - DAY 2 continued

TRACK A - ENVIRONMENTAL PRESERVATION	14h30 - 15h30	TRACK B - LINKING IPC AND WASH
<p><b>THE CRITICAL ROLE OF PVC IN HOSPITALS &amp; HEALTHCARE ENVIRONMENTS</b> By: <b>Monique Holtzhausen</b> - Chief Executive Officer, The Southern African Vinyls Association (SAVA)</p>	14h30 - 14h45	<p><b>WHAT DOES WASH BRING TO IPC?</b> By: <b>Julie Storr</b> - Consultant IPC &amp; WASH, WHO and <b>Anthony Twyman</b> - Infection Prevention &amp; Control Consultant, WHO</p>
<p><b>WATER EFFICIENCY IN BUILDINGS</b> By: <b>Andy Camphausen</b> - Business Development Advisor - Healthcare Specialist for Sanitary Ware, Lixil Africa</p>	14h45 - 15h00	<p><b>IMPROVING COLLABORATION BETWEEN IPC AND WASH</b> By: <b>Nkwan Jacob Gobte</b> - IPC/WASH Nurse, Cameroon Baptist Convention Health Services</p>
<p><b>ENVIRONMENTAL SUSTAINABILITY. THE NEXT CONUNDRUM AFTER COVID!</b> By: <b>Petrus Swanepoel</b> - Sustainability Manager, Mediclinic</p>	15h00 - 15h15	<p><b>INNOVATIVE WAYS TO REDUCE HCRW OR ALTERNATIVE METHODS FOR THE MANAGEMENT OF HCRW</b> By: <b>Michael Vonk</b> - Chief Executive Officer, George Regional Hospital</p>
<p>Panel discussion chaired by <b>Kevin Poggenpoel</b> - President, SAFHE</p>	15h15 - 15h30	<p>Panel discussion chaired by <b>Briëtte du Toit</b> - Programme Manager and Training Coordinator, ICAN</p>
Comfort break	15h30 - 15h40	Comfort break

TRACK A - WATER RESILIENCE	15h40 - 16h25	TRACK B - THE WAY FORWARD IN IPC
<p><b>PREPARING THE WESTERN CAPE GOVERNMENT (WCG) FOR 'DAY ZERO' IN CAPE TOWN AND ACROSS THE PROVINCE - EMBEDDING WATER RESILIENCE IN CRITICAL INFRASTRUCTURE</b> By: <b>Adv Gavin Kode</b> - Deputy Director-General, WCG Department of Transport and Public Works</p>	15h40 - 15h55	<p><b>HOW TO ADVOCATE FOR IPC IMPORTANCY IN THE FUTURE</b> By: <b>Dr Iman Hweidy</b> - IPC Consultant, Ain Shams University (Cairo) Faculty of Medicine &amp; WHO EMRO</p>
<p><b>LESSONS FROM ESTABLISHING A LOCALIZED GROUNDWATER SUPPLY TO GROOTE SCHUUR HOSPITAL IN THE FACE OF DAY ZERO</b> By: <b>Dr Roger Parsons</b> - Director, Parsons &amp; Associates Specialist Groundwater Consultants</p>	15h55 - 16h10	<p><b>PROJECT ECHO AND GLOBAL IPC WORKFORCE CAPACITY BUILDING</b> By: <b>Prof Bruce Struminger</b> - Professor of Medicine, University of New Mexico Health Sciences Center and Senior Associate Director, ECHO Institute</p>
<p>Panel discussion chaired by <b>Clinton Soutter</b> - National Sales Manager, Franke South Africa</p>	16h10 - 16h25	<p>Panel discussion chaired by <b>Prof Valerie Robertson</b> - Medical Microbiologist &amp; Founding Member, Infection Control Association of Zimbabwe</p>
Comfort break	16h25 - 16h35	Comfort break

TRACK A - PLANNING	16h35 - 17h20	TRACK B - CONSTRUCTION
<p><b>FLOORS AND WALLS CAN DO SO MUCH MORE!</b> By: <b>Tandy Coleman</b> - CEO, Polyflor SAVA Board Member (South African Vinyls Association)</p>	16h35 - 16h50	<p><b>HEALTHCARE-IN-A-BOX</b> By: <b>Shiraz Joosub</b> - Healthcare Practice Executive, Gijima Holdings</p>
<p><b>DO IT RIGHT FIRST TIME!</b> By: <b>Keith Bonsall</b> - Director, HMS South Africa - Director, HMS South Africa</p>	16h50 - 17h05	<p><b>DECONSTRUCTING AND UNBUNDLING OF HEALTHCARE FACILITIES</b> By: <b>Frik Lange</b> - Health Planner Architect, Modulor Consulting</p>
<p>Panel discussion chaired by <b>Frances Fenner</b> - Technical Sales Consultant, Polyflor</p>	17h05 - 17h20	<p>Panel discussion chaired by <b>Clinton Soutter</b> - National Sales Manager, Franke South Africa</p>



**PROGRAMME – DAY 3**

TRACK A – OPERATIONAL CHALLENGES	12h00 – 13h00	TRACK B – SPECIALISED UNITS
<p><b>ASSESSMENT OF MICROBIOLOGICAL QUALITY OF INDOOR AIR AT DIFFERENT HOSPITAL SITES OF DILLA UNIVERSITY – A CROSS-SECTIONAL STUDY</b> By: <b>Zemachu Ashuro</b> – Lecturer and Researcher, Dilla University's College of Medicine and Health Science, Ethiopia</p>	12h00 – 12h15	<p><b>HIGH RISK AREAS FOR TRANSMISSION IN SPECIALIST UNITS</b> By: <b>Buyiswa Lizzie Sithole-Mazibuko</b> – Training Coordinator and Hand Hygiene Trainer and Compliance Officer, ICAN</p>
<p><b>COVID-19 INTERVENTIONS AND LEGACIES IN KZN DEPARTMENT OF HEALTH</b> By: <b>Michelle de Goede</b> – Director: Infrastructure Planning, KwaZulu-Natal Department of Health</p>	12h15 – 12h30	<p><b>HOW DO WE ADAPT SPECIALISED UNITS TO REDUCE TRANSMISSION FOR FUTURE PANDEMICS?</b> By: <b>Prof Adebola Olayinka</b> – IPC Focal Point, WHO Nigeria</p>
<p><b>INFECTION PREVENTION AND CONTROL (IPC) IMPLEMENTATION STATUS AT DILLA UNIVERSITY HOSPITAL IN ETHIOPIA: A CASE STUDY</b> By: <b>Zemachu Ashuro</b> – Lecturer and Researcher, Dilla University's College of Medicine and Health Science, Ethiopia</p>	12h30 – 12h45	<p><b>IPC CONSIDERATIONS WHEN DESIGNING SPECIAL AREAS IN HEALTHCARE FACILITIES</b> By: <b>Chipo Gwayagwaya</b> – IPC – WASH Specialist/Consultant, Infection Control Association of Zimbabwe</p>
<p>Panel discussion chaired by <b>Dr Zane Farina</b> – Head Clinical Department, Anaesthesia and Critical Care Grey's Hospital – KZN Department of Health</p>	12h45 – 13h00	<p>Panel discussion chaired by <b>Prof Folasade Ogunsola</b> – Chairperson, Infection Control Africa Network (ICAN)</p>
Comfort break	13h00 – 13h10	Comfort break
TRACK A – PREDICTING THE FUTURE	13h10 – 14h10	TRACK B – BRIDGING THE GAP
<p><b>FUTURE-PROOFING HEALTHCARE</b> By: <b>Karen Viljoen</b> – Group Nursing Manager, Busamed</p>	13h10 – 13h25	<p><b>VIRTUAL TRAINING OF IPC AND THE BUILT ENVIRONMENT – IS IT POSSIBLE?</b> By: <b>Briëtte du Toit</b> – Programme Manager and Training Coordinator, ICAN</p>
<p><b>GUIDE TO THE FUTURE OF HOSPITALS THROUGH LESSONS LEARNED</b> By: <b>Warren Grenfell</b> – Architect, Virtual Architect</p>	13h25 – 13h40	<p><b>IMPORTANCE OF PLANNING A DIRTY UTILITY ROOM IN INFECTION CONTROL, AND PROTECT THE ENVIRONMENT</b> By: <b>Eng Ashraf Elgeresi</b> – Sales Director, MEIKO MEA</p>
<p><b>THE PATIENT JOURNEY OF THE FUTURE – OPPORTUNITIES FOR HOSPITALS IN AFRICA</b> By: <b>Dr Augusta Dorning</b> – Head: Africa Business, Lenmed Health</p>	13h40 – 13h55	<p><b>CASE STUDY: TWO HOSPITAL RENEWABLE ENERGY MICROGRID PROJECTS</b> By: <b>Eric Nimer</b> – Senior Electrical Engineer, Mazzetti</p>
<p>Panel discussion chaired by <b>Katherine Roper</b> – CEO, Roper.Consulting</p>	13h55 – 14h10	<p>Panel discussion chaired by <b>Mokete Litelu</b> – Group Manager: Procurement, Mediclinic</p>
Comfort break	14h10 – 14h30	Comfort break

# PROGRAMME - DAY 3 continued

14h30 - 15h30	<b>RESEARCH AND DEVELOPMENT</b>
14h30 - 14h45	<b>HVAC EFFICIENCY IN A POST-PANDEMIC WORLD</b> By: Carl Coetzee - Mechanical Engineer, Lombard Consulting Engineers
14h45 - 15h00	<b>OPERATIONS, MANAGEMENT AND SYSTEMS</b> By: Jozanne Louw - Professional Architect, Roelof Rabe Architects
15h00 - 15h15	<b>PLANNING, DESIGN AND CONSTRUCTION</b> By: Roelof Rabe - Managing Partner, Roelof Rabe Architects
15h15 - 15h30	Panel discussion chaired by Petrus Swanepoel - Sustainability Manager, Mediclinic
15h30 - 15h40	Comfort break

<b>TRACK A - SKILLS DEVELOPMENT</b>	15h40 - 16h25	<b>TRACK B - OUTBREAKS</b>
<b>DR PIXLEY KA ISAKA SEME MEMORIAL HOSPITAL: NEW 500-BED REGIONAL HOSPITAL</b> By: Angela Hesketh - Chief Architect, Infrastructure Development, KwaZulu-Natal Department of Health	15h40 - 15h55	<b>LESSON LEARNT THROUGH COVID-19 PANDEMIC - MANAGEMENT OF AN OUTBREAK DUE TO A PAN-DRUG RESISTANT PROTEUS MIRABILIS IN A TUNISIAN HOSPITAL</b> By: Prof Basma Mnif - Professor of Microbiology, Habib Bourguiba University Hospital of Sfax, Tunisia
<b>PREPARING FOR CHANGE</b> By: Francois du Plessis - Professional Architect, EHH Architects Inc	15h55 - 16h10	<b>NOT ALL VIRUSES ARE THE SAME - APPROPRIATE PRECAUTIONS FOR COVID, EBOLA AND MONKEYPOX</b> By: Prof Wolfgang Preiser - Head: Division of Medical Virology, Stellenbosch University and NHLS Tygerberg
Panel discussion chaired by Amy Krause - Architectural Design Team Manager, Mediclinic Corporate Office	16h10 - 16h25	Panel discussion chaired by Dr Iman Heweidy - IPC Consultant, Ain Shams University (Cairo) Faculty of Medicine & WHO EMRO

16h25 - 16h40	<b>CLOSING ADDRESS</b> By Lance Roy - Design Engineer AI Solutions, AI Engineers
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