



SUNDAY, 13 OCTOBER 2024

08h00	17h00	IFHE Exco Meeting	Boardroom
18h00	23h00	IFHE Exco Dinner with Partners	venue to be confirmed
Full day		Exhibition build-up	Hall 4A

MONDAY, 14 OCTOBER 2024

08h00	17h00	IFHE Council Meeting	Meeting Room 1.61 and 1.62
Full day		Exhibitors dress stands	Hall 4A

DAY 1 PROGRAMME - TUESDAY, 15 OCTOBER 2024

07:00	REGISTRATION AND REFRESHMENTS		Hall 4A
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08:30	10h30	OPENING SESSION - TUESDAY, 15 OCTOBER 2024	
		Auditorium 2	
08:30	09:00	WELCOME ADDRESS by Kevin Poggenpoel, IFHE Incoming President	
09:00	09h45	Keynote address: THE MELTING POT: AN AFRICAN ODYSSEY Rob Caskie, Storyteller	
09h45	10h15	Keynote address: PATIENT-CENTRED CARE: REDESIGNING THE CLINICAL SERVICE DELIVERY MODEL Dr Paul Soko - Chief Medical Officer, Life Healthcare and Board Member & Clinical Sub-committee Chair, Hospital Association of South Africa (HASA)	
10h15	10h30	Q&A	

10h30	11h00	REFRESHMENTS + POSTER DISPLAYS + EXHIBITION OPENS	Hall 4A
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	SESSION 1 - TUESDAY, 15 OCTOBER 2024		
	Session 1.1	Session 1.2	Session 1.3
	Auditorium 2	Meeting Room 1.61 and 1.62	Meeting Room 1.63 and 1.64
	SUSTAINABLE HOSPITAL INFRASTRUCTURE	DESIGNING FOR PATIENT WELL-BEING	EMPOWERING HEALTHCARE WORKERS

11h00	13h00	<i>Exploring sustainable solutions for hospital infrastructure to promote environmental stewardship and long-term viability.</i>	<i>Focusing on architectural and design elements that prioritize patient comfort, healing, and overall well-being within healthcare facilities.</i>	<i>Addressing strategies to empower healthcare workers through training, support, and efficient equipment management for quality patient care, whilst addressing equity issues in healthcare delivery.</i>
		Faciliator: Bryan Brinkman	Facilitator: Albert Kasselmann	Facilitator: Darryl Pitcher
11h00	11h25	DESIGNING TOMORROW'S HOSPITALS: SUSTAINABLE DESIGN STRATEGIES FOR FUTURE HOSPITALS Andre Nortje - Netcare	DESIGN CONTRIBUTING TO PATIENT HEALING - MEMORIAL STAR HOSPITAL Ana Paula Naffah Perez - C+A Arquitetura para Saúde	HEALTH ENGINEERING GCC & SOE IN PREPARATION FOR NHI IN SOUTH AFRICA TO STRENGTHEN HEALTHCARE INFRA Wanga Mbase - Life Healthcare
11h25	11h50	ASHRAE DECARBONIZATION DESIGN GUIDE Walt Vernon - Mazzetti, Inc	THE DELICATE BALANCE OF PHYSICAL AND NON-PHYSICAL PARAMETERS IN DESIGNING FOR WELLNESS Chad Paul - VAMED Timothy Meyer - TAG Design	NEONATAL DEVICE UTILIZATION MONITORING USING HADLI TECHNOLOGY Vincent Ochieng - The Aga Khan University
11h50	12h15	EFFECTIVE RECYCLING OF LAUNDRY WASTEWATER AT HOSPITALS Pieter Burger - Hidro-Tech Systems	COVER ME IN SUNSHINE Antoinette Greeff - SVA International	DESIGNING AN ADAPTABLE NEWBORN HEALTH TECHNOLOGY MANAGEMENT TECHNICAL COURSE George Banda - NEST360 Program-Kamuzu University of Health Sciences
12h15	12h40	POWER MOVE: TRANSFORMING RESILIENCE WITH MICROGRID TECHNOLOGY David Evans - Schneider Electric	THE USE OF COLOURS AND MATERIALS IN ENVIRONMENTS FOR DEMENTIA Ann-Kathrin Salich - TU Berlin University	ENGAGING FAMILY CARE IN INFECTION PREVENTION AND CONTROL; BENEFITS AND LESSONS FROM CAMEROON Emilio Hornsey - UK Health Security Agency
12h40	13h00	Q&A	Q&A	Q&A

13h00	14h30	LUNCH	Hall 4A
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14h30	16h30	SESSION 2 - TUESDAY, 15 OCTOBER 2024		
		Session 2.1	Session 2.2	Session 2.3
		Auditorium 2	Meeting Room 1.61 and 1.62	Meeting Room 1.63 and 1.64
		SUSTAINABLE ENERGY SOLUTIONS	BUILDING RESILIENT FUTURE-FOCUSSED HEALTHCARE FACILITIES	EMPOWERING HEALTHCARE WORKERS continued
		<i>Examining renewable energy solutions and energy efficiency measures to reduce carbon footprint and enhance sustainability in healthcare.</i>	<i>Discussing approaches to designing and constructing future-focussed healthcare facilities that can withstand various natural and man-made disasters.</i>	<i>Addressing strategies to empower healthcare workers through training, support, and efficient equipment management for quality patient care, whilst addressing equity issues in healthcare delivery.</i>
		Faciliator: Liezl Myburgh	Facilitator: Peter Schilder	Facilitator: Vulikhaya Ndikinda
14h30	14h55	DECARBONIZATION LAW; FRIEND OR FOE? Walt Vernon - ASHRAE	FACILITIES AND BUILDINGS IN CONSIDERATION OF DISASTERS AT HOSPITALS Kana Egawa - College of Science and Technology, Nihon University	FUNDAMENTAL COMMUNICATION OF THE TECHNICAL AREAS FOR THE OPERATING THEATRES Rene Buelow - Bender GmbH Co. KG
14h55	15h20	GOING GREEN: INVESTMENT DECISIONS BEST SUITED TO YOUR ORGANISATION Jerusha Joseph - Netcare Limited	SCENARIO PLANNING FOR HOSPITALS IN BRAZIL: THE MASTERPLAN AS AN INSTRUMENT OF GUIDANCE AND ACTIONS IN HEALTHCARE BUILDINGS Fábio Bitencourt - IFHE - International Federation of Healthcare Engineering	THE ROLE OF TRAINING AND PROPER EQUIPMENT MANAGEMENT ON QUALITY OF CLINICAL CARE Hope Peter - Ifakara Health Institute (IHI)
15h20	15h45	MEASURING SUSTAINABILITY: DESIGNING FUTURE HOSPITALS WITH PRECISION AND PURPOSE Albert Kasselmann - Mediclinic South Africa	ASHRAE INFECTIOUS AEROSOLS POSITION DOCUMENT Walt Vernon - ASHRAE	AN AFRICAN DESIGN TO REDUCE NEEDLESTICK INJURY Lindsay Curran - M and L Medical Suppliers CC t/a Viva Medical
15h45	16h10	THE IMPACT OF LOAD SHEDDING IN PRIMARY HEALTHCARE FACILITIES Elizabeth Leonard - Clinton Health Access Initiative		
16h10	16h30	Q&A	Q&A	Q&A

16h30	19h00	WELCOME COCKTAIL RECEPTION	Hall 4A
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19h00 onwards	Attendees are encouraged to socialise with one another at venues outside of CTICC		
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DAY 2 PROGRAMME - WEDNESDAY, 16 OCTOBER 2024

08h00	09h00	REGISTRATION AND REFRESHMENTS	Hall 4A
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SESSION 3 - WEDNESDAY, 16 OCTOBER 2024				
		Session 3.1	Session 3.2	Session 3.3
		Auditorium 2	Meeting Room 1.61 and 1.62	Meeting Room 1.63 and 1.64
09h00	10h30	SUSTAINABLE ENERGY SOLUTIONS continued <i>Examining renewable energy solutions and energy efficiency measures to reduce carbon footprint and enhance sustainability in healthcare.</i> Facilitator: Andy Camphausen	ICAN / UK TRUST COLLABORATION - INNOVATIONS IN INFECTION PREVENTION AND CONTROL <i>Highlighting cutting-edge technologies and strategies to combat healthcare-associated infections and enhance patient safety.</i> Facilitator: Kevin Poggenpoel	HARNESSING THE POWER OF DATA AND TECHNOLOGY <i>Delving into the importance of robust data management and technology in optimizing healthcare operations and decision-making processes.</i> Facilitator: Kate Roper
09h00	09h25	REVOLUTIONIZING HEALTHCARE: DESIGNING THE FIRST ALL-ELECTRIC US HOSPITAL Jonathan Nistor - WSP	TRANSITIONING FROM RESPONSE TO RECOVERY - NEVER WASTING AN OUTBREAK Emilio Hornsey - UK Health Security Agency	RELIABLE DATA: THE CORE OF SUSTAINABILITY Tanya Spies - Mediclinic Group Limited
09h25	09h50	TAKING THE STRESS OUT OF BESS Petrus Swanepoel - Mediclinic Southern Africa	INTRODUCING ABHR AT POINT OF CARE; EFFECTS AND LESSONS LEARNT CAMEROON Nkwan Jacob Gobte - Infection Control Africa Network (ICAN)	BREAKING THE NORM! APPLYING BIM ON A HOSPITAL PROJECT IN UGANDA Ronald Kamoga & Sam Byamukama - Uganda Cancer Institute
09h50	10h15	THE EVOLUTION AND MATURATION OF PV-T TECHNOLOGY David Volkwyn - Greenline Africa	SAFETY PRACTICES AND ASSOCIATED FACTORS AMONG HEALTHCARE WASTE HANDLERS IN FOUR PUBLIC HOSPITALS, SOUTHWESTERN ETHIOPIA Abayneh Manaye - Addis Ababa University/ICAN Eastern Hub	TRAPS TO AVOID WHEN EVALUATING TECHNOLOGY FOR YOUR NEXT PROJECT Brian Weldy - Demand Inspired, LLC
10h15	10h30	Q&A	Q&A	Q&A

10h30	11h00	REFRESHMENTS + POSTER DISPLAYS	Hall 4A
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SESSION 4 - WEDNESDAY, 16 OCTOBER 2024				
		Session 4.1	Session 4.2	Session 4.3
		Auditorium 2	Meeting Room 1.61 and 1.62	Meeting Room 1.63 and 1.64
11h00	12h30	SUSTAINABLE ENERGY SOLUTIONS continued <i>Examining renewable energy solutions and energy efficiency measures to reduce carbon footprint and enhance sustainability in healthcare.</i> Facilitator: Petrus Swanepoel	INNOVATIONS IN INFECTION PREVENTION AND CONTROL continued <i>Highlighting cutting-edge technologies and strategies to combat healthcare-associated infections and enhance patient safety.</i> Facilitator: Rudolf Coetzee	REGULATORY COMPLIANCE AND PROCESS BEST PRACTICES <i>Exploring regulatory compliance requirements and process best practices in healthcare engineering design and operations to ensure patient safety.</i> Facilitator: Amy Krause
11h00	11h25	SOLAR ELECTRIFICATION IN PRIMARY HEALTHCARE: MANAGING SUSTAINABLE POWER SOLUTIONS Natasha Musundire - Clinton Health Access Initiative	TACKLING ANTIMICROBIAL RESISTANCE IN HOSPITAL EFFLUENTS AND WASTE RECEIVING WATER BODIES IN ETHIOPIA: REVOLUTIONIZING HEALTHCARE WASTEWATER MANAGEMENT Chalachew Yenew Dinku - Debre Tabor University	THE CRITICAL ROLE OF PROJECT MANAGEMENT PRACTICES IN HEALTHCARE: OPTIMIZING OUTCOME AND RESULTING PATIENT CARE Stuart Gray - Clinical Engineering Consultant

11h25	11h50	OPTIMIZING HOSPITAL SYSTEM EFFICIENCIES THROUGH SOLAR HARVESTING Kevin Poggenpoel - Mediclinic Middle East	THE IMPACT OF POORLY DESIGNED DECONTAMINATION UNITS ON PATIENT SAFETY Briette Du Toit Ludick - Private Consultant	SIMPLE IS BETTER. IMPLEMENTING A GLOBAL ENVIRONMENTAL SUSTAINABILITY STRATEGY Francois Bester - Mediclinic Group Limited
11h50	12h15	ECONOMIC EVALUATION OF SOLAR COLLECTORS AND SOLAR PV PANELS FOR WATER HEATING IN LARGE-SCALE HEALTHCARE FACILITIES: A COMPARATIVE ANALYSIS Percy Hohne - Central University of Technology	IMPROVED VENTILATION OF GENERAL DECONTAMINATION DURING COVID PANDEMIC Hiroshi Yasuhara - Healthcare Engineering Association of Japan	DEVELOPING A SYSTEM-DRIVEN MULTI-STAKEHOLDER APPROACH IN THE HEALTHCARE SUPPLY CHAIN TO IMPROVE COMPLIANCE AND DRIVE VALUE James Herbert - Mediclinic International
12h15	12h30	Q&A	Q&A	Q&A

12h30	13h30	LUNCH	Hall 4A	
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SESSION 5 - WEDNESDAY, 16 OCTOBER 2024				
13h30	15h00	Session 5.1	Session 5.2	Session 5.3
		Auditorium 2	Meeting Room 1.61 and 1.62	Meeting Room 1.63 and 1.64
		ADDRESSING ENVIRONMENTAL CHALLENGES	INNOVATIONS IN INFECTION PREVENTION AND CONTROL continued	HUMAN-CENTERED HEALTHCARE DESIGN
		<i>Tackling environmental challenges in healthcare settings, such as waste management, water scarcity, and pollution, for a healthier future.</i>	<i>Highlighting cutting-edge technologies and strategies to combat healthcare-associated infections and enhance patient safety.</i>	<i>Showcasing technology innovations focused on improving patient experiences, enhancing clinical outcomes, and increasing healthcare efficiency.</i>
		Facilitator: Denton Smith	Facilitator: Mokete Litelu	Facilitator: Kevin Poggenpoel
13h30	13h55	SIMPLE MEASURES, GREAT IMPACTS: HEALTHCARE WASTE MANAGEMENT PRACTICE IN MALAWI Jennipher Phiri - Public Health Institute of Malawi, Ministry of Health	IMPLEMENTATION OF A RISK-SCORING APPROACH TO MANAGE LEGIONELLA IN HOSPITALS Liza Sitharam & Rileen Strauss - Netcare	LET'S DO IT RIGHT Edwina Fleming - Sakhiwo Health Solutions
13h55	14h20	TOWARDS ZERO WASTE TO LANDFILL IN HEALTHCARE: SUCCESSES AND CHALLENGES Liezl Myburgh - Mediclinic Group	THE ANTIMICROBIAL BENEFITS OF COPPER ALLOY TOUCH SURFACES TO HUMAN AND PUBLIC HEALTH Andrew (Andy) Camphausen - Lixil Africa	FORM FOLLOWS FUNCTION : DESIGN CONCEPTS SUPPORTING EMERGENCY CENTRE CARE DELIVERY Zunaid Mohamed - Mediclinic
14h20	14h45	A PATIENT-CENTRED APPROACH TO PORTABLE SAFE AND EFFICIENT OXYGEN DELIVERY SYSTEMS Phyllis Chituku - Clinton Health Access Initiative Inc. (CHAI)	VENTILATION SYSTEM RESILIENCY IN HOSPITALS – WILL GLOBAL HEALTHCARE FACILITIES BE READY FOR THE NEXT PANDEMIC? Gary Hamilton - Introba	BASIC HEALTH INFRASTRUCTURE FOR INDIGENOUS CULTURES WITHOUT ACCESS TO HEALTHCARE Minor Martin Aguilar & Arq. Marcela Gonzalez - Caja Costarricense del Seguro Social
14h45	15h00	Q&A	Q&A	Q&A

15h00	15h30	REFRESHMENTS + POSTER DISPLAYS	Hall 4A	
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SESSION 6 - WEDNESDAY, 16 OCTOBER 2024				
15h30	17h00	Session 6.1	Session 6.2	Session 6.3
		Auditorium 2	Meeting Room 1.61 and 1.62	Meeting Room 1.63 and 1.64
		ADDRESSING ENVIRONMENTAL CHALLENGES continued	REVITALISING AGEING HEALTHCARE INFRASTRUCTURE	ARCHITECTURAL AND ENGINEERING SOLUTIONS FOR HEALTHCARE CHALLENGES
		<i>Tackling environmental challenges in healthcare settings, such as waste management, water scarcity, and pollution, for a healthier future.</i>	<i>Exploring strategies for revitalizing aging healthcare infrastructure to meet modern healthcare needs and improve community well-being.</i>	<i>Presenting architectural and engineering solutions addressing various healthcare challenges, from antimicrobial resistance to infrastructure improvements.</i>
		Facilitator: Peter Dicks	Facilitator: Sthembizo Jwele	Facilitator: Liezl Myburgh

15h30	15h55	MOVING THE DIAL ON HOSPITAL DECARBONISATION: EXPLORING INTERNATIONAL STRATEGIES Kevin Cassidy & Iphendule Ndzipho - WSP	OUR HOSPITALS ARE SICK AND HAVING A MID LIFE CRISIS Bryan Brinkman - b4 Architects cc	7 FLOWS OF HEALTHCARE - DESIGN/PEOPLE AND FUNCTION Amy Krause - Mediclinic Corporate Office
15h55	16h20	SUSTAINABLE PATIENT-CENTERED MOBILITY IN A LARGE HOSPITAL IN BELGIUM: A PARADOX? Ludo Vereecken - az sint-lucas gent	SILENT LOSS OF MEDICAL GASSES Rodney Kleynhans - Self Employed	REDUCING HEALTHCARE-ASSOCIATED INFECTIONS: THE ENGINEERS PERSPECTIVE Carl Coetzee - Lombard Consulting Engineers
16h20	16h45	RE-USE AND RECYCLING OF AUTOCLAVE WATER Denton Smith - Groote Schuur Hospital	PRACTICAL PATIENT-CENTERED HEALTHCARE ENGINEERING DESIGN FOR THE AFRICAN HEALTHCARE LANDSCAPE Reshoketsoe Rampedi - Hutz Hospi-Tec	INFRASTRUCTURE IN MORE THAN MATERIAL Katherine Roper - University of Pretoria
16h45	17h00	Q&A	Q&A	Q&A

19h00 for 19h30	23h00	GALA DINNER BUSSES DEPART AT 18H15 FROM ENTRANCE 1, WALTER SISULU DRIVE	MOYO Restaurant, Kirstenbosch National Botanical Garden
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DAY 3 PROGRAMME - THURSDAY, 17 OCTOBER 2024

08h00	09h00	REGISTRATION AND REFRESHMENTS	Hall 4A
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SESSION 7 - THURSDAY, 17 OCTOBER 2024				
		Session 7.1	Session 7.2	Session 7.3
		Auditorium 2	Meeting Room 1.61 and 1.62	Meeting Room 1.63 and 1.64
09h00	11h00	INTEGRATING AI AND TECHNOLOGY IN HEALTHCARE	COLLABORATIVE APPROACHES TO FACILITY MANAGEMENT AND DESIGN	ENGINEERING SOLUTIONS FOR HEALTHCARE CHALLENGES continued
		<i>Discussing the integration of artificial intelligence and advanced technologies to streamline healthcare operations and improve patient care.</i>	<i>Discussing collaborative approaches to facility management involving multidisciplinary teams to ensure efficient and effective healthcare operations.</i>	<i>Presenting engineering solutions addressing various healthcare challenges, from antimicrobial resistance to infrastructure improvements.</i>
		Facilitator: Peter Dicks	Facilitator: Bryan Brinkman	Facilitator: Poon Pieterse
09h00	09h25	EMPOWERING OUR SMART HEALTHCARE FUTURE: THE DATA CENTER GAP OPPORTUNITY Kevin Cassidy - WSP	PROVOCATIVE THOUGHTS ON PATIENT CENTERED ENGINEERING AND DESIGN Keith Bonsall - HMS South Africa	THE IMPORTANCE OF QUALITY ELECTRICAL THERMAL INSPECTIONS Rodney Kleynhans - Self Employed
09h25	09h50	BENEFITS OF AI/LLM TOOLS IN HEALTHCARE ESTATE & FACILITIES MANAGEMENT Carl-Magnus von Behr - Innex	INNOVATIVE SOLUTIONS TO OPTIMISE THE OUTPATIENT JOURNEY ON A COMPLEX HOSPITAL SITE Daniela Pedrini - Italian Society for Healthcare Engineering and Architecture (SIAIS)	THE CHALLENGE IN DIRTY UTILITY ROOM Ashraf Elgeresi - Meiko Middle East and Africa
09h50	10h15	NAVIGATING THE FUTURE: AI AND AR IN HEALTHCARE FACILITY MANAGEMENT Ann Vandycke - MINTUS	USING EVIDENCE-BASED-DESIGN CONSIDERATIONS FOR PATIENT-CENTRIC PLANNING IN PAEDIATRIC ONCOLOGY FACILITIES Chad Paul - VAMED Lauren Conchar - Lauren Conchar Psychologists	MEDICAL OXYGEN IN A POST COVID-19 SOUTHERN AFRICA Peter Schilder - Right to Care
10h15	10h40	IMPACT OF AI INNOVATIONS ON HEALTHCARE Wout Van Den Heuvel - Korian Belgium	Q&A	LEGIONELLA IN MY HOSPITAL; THE LIVED EXPERIENCE Denton Smith - Groote Schuur Hospital
10h40	11h00	Q&A		Q&A

11h00	11h30	REFRESHMENTS + POSTER DISPLAYS	Hall 4A
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CLOSING SESSION - THURSDAY, 17 OCTOBER 2024			
		Auditorium 2	
		Chair: Petrus Swanepoel	
11h30	13h30	IFHE AWARDS NATIONAL HEALTH INSURANCE - A DEBATE: Facilitated by Jeff Kleinman/ Discussants by Cas Coovadia IFHE 2026 CONFERENCE OFFICIAL CLOSING	

13h30	14h30	LUNCH + EXHIBITION CLOSES	Hall 4A
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HOSPITAL TOURS - THURSDAY, 17 OCTOBER 2024			
14h15	15h00	Busses depart for Hospital Tours	Entrance 1, Walter Sisulu Drive
15h00	16h30	Hospital Tours	

16h30

17h00

Busses return to CTICC