

Day 1 | Monday 29th January

08:50 Opening Remarks

Dr Hasan Al-Nashash, Director of the Biomedical Engineering Graduate Program, American University of Sharjah, Sharjah, UAE

Dr Tim McGloughlin, Chair, Biomedical Engineering, Khalifa University, Dubai, UAE

09:00 Keynote address: Application of medical robotics for improved clinical outcomes
Dr Paolo Dario, Professor of Biomedical Engineering, Director of the BioRobotics Institute, Scuola Superiore Sant'Anna (SSSA), Pisa, Italy

09:45 Keynote address: Reverse Innovation and Exponential Technologies - MedTec entrepreneurial opportunities for the 2025+ healthcare challenges
Dr Michael Friebe, Professor, Faculty of Electrical Engineering, Institute of Medical Engineering, Otto-von-Guericke-Universität, Magdeburg, Germany

SESSION 1: LEADERSHIP IN BIOMEDICAL ENGINEERING

Moderator:

Dr Hasan Al-Nashash, Director of the Biomedical Engineering Graduate Program, American University of Sharjah, Sharjah, UAE

10:15 Panel: Leadership in biomedical engineering

- **Mr Amer Omar Salha**, Director of Medical Equipment and Planning, American Hospital, Dubai, UAE
- **Mr Riad M Mahfouz**, Managing Consultant, Vital Quadro Consultancy, Dubai, UAE
- **Mr Malek El Hussein**, Chief Executive Officer, Byrne Medical Equipment Rental LLC, Dubai, UAE
- **Dr Paolo Dario**, Professor of Biomedical Engineering, Director of the BioRobotics Institute, Scuola Superiore Sant'Anna (SSSA), Pisa, Italy

11:00 Coffee Break

SESSION 2: BIOMEDICAL SYSTEMS MANAGEMENT

Moderator:

Dr Hasan Al-Nashash, Director of the Biomedical Engineering Graduate Program, American University of Sharjah, Sharjah, UAE

11:30 Health technology assessment

Mr Sundarama Ramnath, Principal Consultant, ECRI Institute-Integra FZC, Dubai, UAE

12:00 Healthcare and systems engineering partnership: Building a better delivery system



Dr Abdulrahim Shamayleh, Assistant Professor, Department of Industrial Engineering, American University of Sharjah, Sharjah, UAE

SESSION 3: HEALTHCARE INFORMATICS

Moderator:

Dr Hasan Al-Nashash, Director of the Biomedical Engineering Graduate Program, American University of Sharjah, Sharjah, UAE

12:30 Medical informatics and healthcare security

Professor Ahmed Albarrak, Professor and Chairman, Medical Informatics, College of Medicine, Chairman, Health Informatics Research Chair, Former Dean, Health Sciences College, Vice Rector for Quality, Planning, and Development, King Saud University, Saudi Electronic University, Riyadh, Saudi Arabia

13:00 Biomedical informatics careers: challenges and opportunities

Dr Osama El Hassan, Head of e-Health, Dubai Health Authority, Dubai, UAE

13:30 Lunch

15:00 Advanced clinical informatics

Dr Ali Kareen Obaidli, Group Chief Academic Affairs Officer, SEHA, Abu Dhabi, UAE

SESSION 4: REGULATION & ASSESSMENT

Moderator:

Dr Tim McGloughlin, Chair, Biomedical Engineering, Khalifa University, Dubai, UAE

15:30 Registration of medical devices

Dr Nazeeh Alothmany, Vice President Executive Director Medical Devices, Assistant Professor of Electrical/Biomedical Engineering, College of Engineering, SFDA, King Abdul Aziz University, Riyadh, Jeddah, Saudi Arabia

Mr Riad M Mahfouz, Managing Consultant, Vital Quadro Consultancy, Dubai, UAE

Dr Michael Friebe, Professor, Faculty of Electrical Engineering, Institute of Medical Engineering, Otto-von-Guericke-Universität, Magdeburg, Germany

SESSION 5: MEDICAL DEVICES & IMAGING

Moderator:

Dr Tim McGloughlin, Chair, Biomedical Engineering, Khalifa University, Dubai, UAE

16:15 Coffee Break

16:45 Getting closer to reality: Spinal cord imaging from a clinician's perspective

Dr. Florian Roser, M.D, Chief, Department of Neurosurgery, Neurological Institute, Cleveland Clinic, Abu Dhabi, UAE

17:00 Novel technology for fetal monitoring

Dr Ahsan Habib Khandoker, Associate Professor, Biomedical Engineering, Khalifa University, Abu Dhabi, UAE

17:15 Localizing sources of cortical activity using EEG and Imaging with application to Epilepsy



Dr. Hasan Mir, Associate Professor, Electrical Engineering, American University of Sharjah, Sharjah, UAE

17:30 Medical Technology - can the UAE repeat the Irish story?

Dr Tim McGloughlin, Chair, Biomedical Engineering, Khalifa University, Dubai, UAE

17:45 End of conference