

Poster presented in Session 1 (Monday, January 25)

- Khoulood Eledlebi ,Yasmeen Abu-Kheil and Baker Mohammad, “Investigations of Wireless Energy Transfer Methodologies for Biomedical Devices”
- M. Zecca, W. Kong, E.L. Moss, P. Sarhanis, “Robotic surgery and surgeon ergonomics for High-BMI patients: reduced muscle activity compared to laparoscopic surgery”
- Menat Alla Saleh, Marco Mura, Yasmeen Abu-Kheil, Kinda Khalaf, Gastone Ciuti, Paolo Dario, Lakmal Seneviratne and Jorge Dias, “Quantitative performance analysis of endoscopic procedures: a novel image-based methodology”
- Selene Tognarelli¹, Umalkhair Ahmed, Clementina Cruceli, Arianna Menciassi, Kinda Khalaf and Paolo Dario, “Bioadhesive Force Evaluation for Human Tissue Retraction During Minimally Invasive Surgery”
- Mona Ba Abbad, Ameera Almarzooqi, Halima Al Naqbi, Noura Almazmi, Salma Alblooshi, Yasmeen Abu-Kheil, Marco Mura, Gastone Ciuti, Cesare Stefanini, Paolo Dario and Jorge Dias, “Multi-Camera spherical capsule design for endoscopic applications”
- Sukainah Al Hajji, “Smart Techniques to Cure a Serious Neurological Disease (Brain Cancer)”
- Yasmeen Abu-Kheil, Marco Mura, Gastone Ciuti, Jorge Dias, Paolo Dario and Lakmal Seneviratne, “Image Mapping for Capsule Endoscopy using Vision/Inertial Fusion”
- Bing-Yuh Lu, “Wireless Recorder for the Respiration Sound”

Poster presented in Session 2 (Monday, January 25)

- Wilson, S.L.; Zecca, M.; Craner, M.J.; Hodgetts, T.J. and Williams, D.J., “Potential Technologies for Rehabilitation of Military Traumatic Brain Injury”
- Justus F. Huebotter, James Tung Member, Nitish V. Thakor, Haoyong Yu and Sunil L. Kukreja, “A Novel High-Density Haptic Glove for Vibrotactile Feedback”
- Mohammad I. Awad, Dongming Gan, Cesare Stefanini, Jorge Dias, Paolo Dario and Lakmal Seneviratne, “Design and Implementation of Passive Variable Stiffness Joint for safety enhancement in Exoskeleton Robots”
- Abdulrahman Ali, Fahad Al Shaibani, Yousef Abdel-Raouf, Tarek Taha, Dongming Gan, Kinda Khalaf and Cesare Stefanini, “Rehabilitation through Assistive Cable-driven Technology (RE-ACT)”
- Atasoy A., Toptaş E., Kuchimov S., Kaplanoğlu E., Takka S. and Özkan M., “SMA Actuated Finger Design”
- Alaa El Khatib, Hassan Al-Muhairi, Jorge Dias, Naoufel Werghi and Tarek Taha, “Cloud-Based Robotic Caregivers”

- Bashar A. A. Abuabedah, Ammar Zheiman, Mohammad F. Abu aisha and Faris Azraq, "Simple Exo-Skeleton"
- Ahmed Imran, "Understanding Mechanics of the Customized Bionic Knee Joints"
- Myung-Kyu Yi, Habin-Im, and Hee-Joung Hwang, "Privacy and Security Classification Scheme for Health Lifelog Services"
- HeeJoung Hwang, Habin Im, and Seokjin Im, "TOS: A Two-mode Open System Relaying Health and Lifelog Data for User-Centric Healthcare Services"
- Myung-Kyu Yi, Habin-Im, and Hee-Joung Hwang, "A Novel Lifelog Management Scheme for Improving Health-Related Quality of Life"
- Baset Khalaf, "Wireless ECG Android Application for eHealth"
- Stefano Mazzoleni, Federico Posteraro and Paolo Dario, "Timing of Motor Recovery in Subacute and Chronic Stroke Patients During Upper Limb Robot-Assisted Rehabilitation"
- Kevin Cleary, Reza Monfaredi, Emmanuel Wilson, Catherine Coley and Sarah Evans, "Robotically Assisted Rehabilitation for Children with Cerebral Palsy"

Poster presented in Session 3 (Tuesday, January 26)

- Pierre S. Kawak, Christian C. Momah, Mohamed A Elkhodiry, Shaima R. Suwaidi, Dina Gadalla, Fatehia M. Banamah, Rute F. Vitor, Hesham G. Moussa, Ana M. Martins, Mohammad Al-Sayah and Ghaleb A. Hussein, "A Peptide-Targeted Nanodelivery System Triggered by Ultrasound for Anticancer Therapy"
- Selwa Boularaoui, Fahad Al Shaibani, Jeremy Teo, Nicolas Christoforou, "3D Printing Technology To Fabricate Micro-Molds For The Generation Of Biologically Relevant Tissue Engineered Skeletal Muscle"
- Maisam Wahbah, Nuha Al Khanbashi and Baker Mohammad, "Magnetic Energy Harvesting for Autonomous Bionic Systems: Opportunities and Challenges"
- Hassan Umari and Shayok Mukhopadhyay, "An in vivo mapping framework based on RRT*"
- M. Shehab El Din, B. Al-Habash, H. Mousa, Y. El-saboni, H. Al-Nashash, "Eye-Tracking-Based Visual Aid for Optic Nerve Hypoplasia Patients"
- Najla M. Salkho, Rute F. Vitor, Hesham G. Moussa, Ana M. Martins, Mohammad Al-Sayah and Ghaleb A. Hussein, "Estrone-Targeted Sonosensitive Liposomes for Breast Cancer Therapy"
- Kishor Kumar Sadasivuni and John-John Cabibihan, "Cellulose nanocrystals (biomaterial) based touch sensors for biomedical applications"
- Eltaf Abdalsalam M., Mohd Zuki Yusoff, Aamir Saeed Malik, Nidal Kamel and Dalia Mohamoud, "Thought-Controlled Wheelchair Mobility for Disabled People"

- Vinod Pangracious, Meis Moukayed and Adnan El Nasen, “A 3D-Nano-GSI Brain Implant Chip for Detection and Prevention of Seizures in Epilepsy”
- Rabiya Momin, Hasan Mir, and Hasan Al-Nashash, “Cortical Source Localization and Signal Estimation without Exact Knowledge of the Leadfield Matrix”
- L. Vannozzi, S. Alyassi, L. Ricotti, K. Khalaf, A. Menciassi and P. Dario, “Bio-hybrid systems and their building blocks: new frontiers of biorobotics and bionics”
- Nasir Hussain, Zeeshan H. Khan, Mohsin Islam Tiwana, “Brain Computer Interface: Classification of EEG signals for wrist and grip movements”
- M. Mencattelli, E. Donati, M. Cultrone and C. Stefanini, “Three-dimensional orthodontic load detection: new concept and design”

Poster presented in Session 4 (Tuesday, January 26)

- Marco Mura, Yasmeen Abu-Kheil, Gastone Ciuti, Jorge Dias, Paolo Dario and Lakmal Seneviratne, “A visual-based haptic feedback for capsule endoscopes navigation”
- Renad Turki, Rute F. Vitor, Ana M. Martins, Mohammad Al-Sayah and Ghaleb A. Hussein, “Release Characteristics of Albumin-Targeted Liposomes Triggered by Low Frequency Ultrasound”
- Ahmed Alsaqqa, Alla Saleh, Menat Alla Saleh, Rasha Nasser, Cesare Stefanini and Tim McGloughlin, “Intra-uterine balloon tamponade for use in low resource settings for the treatment of Post-Partum Hemorrhage (PPH)”
- Paolo Dario, Annagiulia Morachioli, Ilaria Strazzulla, Cecilia Laschi and Fabio Bonsignorio, “Disassembly Robotic Tasks for Circular Economy”
- Federico Renda, Frederic Boyer, Cecilia Laschi, Jorge Dias and Lakmal Seneviratne, “A Unified Multi-Soft-Body Dynamic Model for Soft Robotics”
- Özkan M., Toptaş E., Kaplanoğlu E., Takka S., Atasoy A. and Kuchimov S., “Anthropomorphic Prosthetic Hand Design”
- Xianming Ye, W. Jong Yoon, John-John Cabibihan, “Flexible Tethered Capsule Steering for Stomach Screening”
- Elisa Donati, Giacomo Indiveri and Cesare Stefanini, “Toward biomorphic central pattern generator system for controlling lamprey robot”