# Table of Contents

Health Communication and Information Exchange in a Vascular Surgery Patient Trajectory  
*Heidi Gilstad*  

Emerging Issues in Medical and Engineering Ethics: The Case of Reverse Paternalism in Lebanon  
*Sarah Hammoud, Zahraa Shahrour, Ali Hage-Diab, Hassan Khachfe, and Bassam Hussein*  

Privacy-Preserving Online Monitoring Framework for e-Health Applications  
*Youna Jung*  

Systematic Review of Obesogenic Environmental Determinants of Diet and the Implications of Obesity Prevention and Intervention Efforts  
*Angela Chang, Matthew T. Liu, and Peter J. Schulz*  

Challenges of Comparing Medication eHealth Services in the Nordic Countries  
*Heidi Gilstad, Arild Faxvaag, Christian Nohr, Sidse Villumsen, Jarmo Reponen, Hege Andreassen, Lars Jervall, Thomas Pehrsson, Maart Kangas, Gudrun Audur Hardardottir, Sabine Koch, and Hannele Hypponen*  

Brain Activity Estimation with Precise Motor Measurements of Visual Synchronization Task of Hands  
*Kyota Aoki and Hisanori Hotta*  

A Finger Movement Evaluation Device to Monitor the Use of Paretic Hand During Daily Life Activities  
*Bilal Debs, Eliane Mousallem, Ali Hage-Diab, Mohamad Hajj-Hassan, Hassan Khachfe, Soha Saleh, Nour El-Hoda Saleh, Ahmad Rifaii Sarraj, and Houssam Yassine*  

Management System of Medical Equipment in Hospitals  
*Mohammad Rammal, Ahmad Jaffal, Hassan Khachfe, and Mohamad Hajj-Hassan*  

Automatic Measurement of Pronation/Supination, Flexion/Extension and Abduction/Adduction Motion of Human Limbs using Wearable Inertial and Magnetic Sensors  
*Irvin Hussein Lopez-Nava, Francisco Marquez-Aquino, Angelica Munoz-Melendez, David Carrillo-Lopez, and Hector Simon Vargas-Martinez*  

Personalize Systems for Psychological Evaluation Performance and Vigilance Monitoring  
*Radka Jeziorska, Vilem Novak, Katerina Panackova, and Marek Penhaker*  

IT-Aided Business Process Enabling Real-time Analysis of Candidates for Clinical Trials  
*Matthieu-P. Schapranow, Cindy Perscheid, and Hasso Plattner*  

Understanding the Social Dynamics of Twitter, Facebook and Diabetes.co.uk and Their Value Implications for Patients and Health Researchers  
*Joanna Taylor, Claudia Pagliari, and Miles Osborne*
A Semantic Reasoning Engine for Lifestyle Profiling in Support of Personalised Coaching
Sara Mikolajczak, Tom Ruette, Elena Tsimporkova, Milena Angelova, and Veselka Boeva

Detection and Classification of the Basic Emotions Using a Multimodal Approach for Emotions Detection
Chaka Kone, Cecile Belleudy, Imen Tayari Meftah, and Nhan Le-Thanh