**Schedule of Presentations: Oral Session**

**Biomedical Sensing**

|  |  |  |
| --- | --- | --- |
| **Nov. 2 (Saturday) 11:10 – 12 :30 2F Room 36204**  **Chair：Prof. Tien-Chun Tsai蔡田畯研究員**  (Core Facility Center, National Cheng Kung University) | | |
| **Paper NO.** | **Presenter** | **Title** |
| G4-013 | **Thi Thanh Huong Pham**  National Cheng Kung University | Developing A Janus Particle-Based Exosome Surface Markers Sensing Platform For Early Diagnosis Of Oral Squamous Cell Carcinoma |
| G4-015 | **Kullaphat Nitayachat**  King Mongkut's Institute of Technology Ladkrabang, Thailand | Photonic Crystal-Integrated Microchip For Tear-Based Diabetic Retinopathy Detection |
| G4-018 | **Yi-Wen Lian**  National Cheng Kung University | High-Performance SERS Nanosensor Based On Self-Signal Amplification Of Gold Nanostars For Label-Free Detection Of Microrna In Ovarian Cancer |
| G4-020 | **連語婕**  長庚大學 | 透過紙基建構一3d腫瘤微環境以探討癌相關纖維母細胞對於肝癌細胞遷移能力及相關蛋白表現之影響 |
| G4-014 | **Buasiri Chamchoy**  National Cheng Kung University | Janus Particle Enabled Multiplex Detection Of Respiratory Diseases |
| G4-035 | **Yen-Jui Lin**  National Taiwan University | Application Of Piezoelectric Poly-L-Lactic Acid In Treating Spinal Epidural Compression |

|  |  |  |
| --- | --- | --- |
| **Nov. 2 (Saturday) 15:40 – 17 :30 2F Room 36204**  **Chair：Prof.** **Yi-Chang Chung 鍾宜璋教授**  (Department of Chemical and Materials Engineering, National University of Kaohsiung) | | |
| **Paper NO.** | **Presenter** | **Title** |
| G4-023 | **Chieh-Ling Su**  National Cheng Kung University | Non-Invasive Gastric Cancer Detection Using A QCM E-Nose And Gramian Angular Fields With Deep Learning Algorithms |
| G4-012 | **Fan-Chun Cheng**  Chang Gung University | Single-Cell Isolation And Metabolism Detection In Microfluid Chip |
| G4-019 | **Yu-Sian Huang**  National Cheng Kung University | Ultrasensitive Detection Of Exosomal Mirnas Of Ovarian Cancer Using A Rolling Circle Amplification-Integrated Microfluidic Device |
| G4-028 | **Yu-Xing Zhuang**  National Chung Hsing University | Innovative Mirna Profiling In Alzheimer's: Examining Mir-135a-5p Through Magneto-Optical Faraday Assay Method |
| G4-022 | **Lin Kao-Chin**  National Cheng Kung University | Enhanced Bacterial Species And Concentration Classification Using Multi-Task Learning And Attention-Enhanced Cnns With E-Nose Data |
| G4-030 | **I-Hsuan Chou**  National Tsing Hua University | Highly Ordered Self-Assembled Monolayer Of Gold Nanoparticles As SERS Substrate For Acute Myocardial Infarction Diagnosis |

|  |  |  |
| --- | --- | --- |
| **Nov. 3 (Sunday)** **11:20~12:40 2F Room 36204**  **Chair：Prof. Ching-Te Kuo 郭清德教授**  (Department of Mechanical and Electro-Mechanical Engineering, National Sun Yat-  sen University) | | |
| **Paper NO.** | **Presenter** | **Title** |
| G4-016 | **Yi-Zhen Wang**  National Cheng Kung University | Self-Assembly Nanosensors For High Throughput Detection Of CA125 & HE4 In Ovarian Cancer |
| G4-031 | **Quoc-Hung Phan**  National United University | Characteristic Optical Property Of Mirna-125 By Surface Plasmon Resonance Coupler Sensor |
| G4-006 | **Yan Jhih Su**  Chang Gung University | The Microfluidic Platform Combining Endothelial Cell And Smooth Muscle Cell For 3D Vessel Remodeling |
| G4-002 | **Guan-Jyun Song**  National Cheng Kung University | Prototyping In-Shoe Pressure Sensor Device For Gait Cycle Analysis And Its Preliminary Applications |
| G4-036 | **Chen-Kai Chiang**  National Cheng Kung University | Clinical Gait Quantification For Parkinson's Disease Using Commodity Wi-Fi Devices |
| G4-026 | **黃嬿臻**  慈濟大學 | 利用 One-Shot Learning 優化長時間紀錄之心電圖自動判讀模型之準確率評估 |