**Schedule of Presentations: Oral Session**

**Biomedical Electronics/ Biomedical Optoelectronics**

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| **Nov. 2 (Saturday) 11:10 – 12 :30 2F Room 36206**  **Chair：Prof. Chih-Chia Huang 黃志嘉教授**  (Department of Photonics, National Cheng Kung University) | | |
| **Paper NO.** | **Presenter** | **Title** |
| G4-025 | **Yu-Cheng Cheng**  National Yang Ming Chiao Tung University | A Single Microelectrode Composed Of Platinum Nanoflowers On PEDOT: (Graphene/Polydopamine) Enables Synchronic Non-Enzymatic Glucose Sensing And Neuronal Signals Recording |
| G2-026 | **Shao-Ming Chen**  National Yang Ming Chiao Tung University | Ultrasound Imaging Guidance System For High-Intensity Focused Ultrasound Breast Ablation |
| G2-023 | **Chun-Yeh Wang**  National Yang Ming Chiao Tung University | Assessment Of Bipolar Disorder And Schizophrenia With Intelligent Functional Near-Infrared Spectroscopy |
| G2-030 | **Fang-Chung Hsu**  National Cheng Kung University | Investigating Hemodynamics Of Muscle-Brain Axis In Sarcopenia Patients Using Functional Near-Infrared Spectroscopy |
| G2-031 | **葉俊嶧**  義守大學 | 低能量雷射刺激耳神門穴對人體自律神經之影響 |
| G2-029 | **Hao-Hsun Chung**  National Taiwan University | High-Speed Retinal OCT Imaging With The HCG-VCSEL Light Source |

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| **Nov. 2 (Saturday) 15:40 – 17 :30 2F Room 36206**  **Chair：Prof.** **Sheng-Min Huang 黃聖閔教授**  (Department of Pharmacology, National Cheng Kung University) | | | |
| **Paper NO.** | **Presenter** | **Paper Title** | |
| G2-002 | **Shu-Yu Yang**  National Cheng Kung University | Development Of A Wearable Surface Electromyography System For Monitoring Low Back Muscles Fatigue | |
| G4-034 | **Kuan-Lin Chen**  National Chung Hsing University | 2D Material-Based Van Der Waals Heterostructures Field-Effect Transistor For Mimicking Biological Neuron Respon | |
| G2-009 | **Min-Xuan Wang**  National Taiwan University | In-Vivo Optical Sectioning Fluorescence Endo-Microscopic System Based On Varifocal Me | |
| G2-008 | **林育銘**  國立成功大學 | 智能行動外骨骼輔具之電路系統整合設計及電量估測 | |
| G2-042 | **Chia-Hsiang Hsu**  National Taiwan Normal University | 智能分析牙體螢光影像的手持棒與牙菌斑控制紀錄的雲端 | |
| G2-044 | **Yen-Po Huang**  King Mongkut's Institute of Technology Ladkrabang, Thailand | Design Of Functional Near-Infrared Spectroscopy Module For Hemodynamic Response In High Frequency | |
| **Nov. 3 (Sunday)** **11:20~12:40 2F Room 36206**  **Chair：Prof.** **Yi-Chun Du 杜翌群教授**  (Department of Biomedical Engineering, National Cheng Kung University) | | | |
| **Paper NO.** | **Presenter** | | **Title** |
| G4-008 | **Yi-Hua Lee**  Feng Chia University | | Detection Of Troponin I Protein Using Aptamer-Modified Extended Gate Field-Effect Transistors |
| G2-019 | **Chia-Ling Chiang**  National Taiwan University | | Dynamic Polarized Light Microscopy System For Fast Identification Of Inorganic Nanoparticles In Silicosis Tissue And Stress-Orientation In Collagen Fibers |
| G2-036 | **Yun-Tien Tsai**  National Taiwan University | | Development Of FPGA-Based Optical Coherence Tomography Imaging Engine |
| G2-037 | **Pei-Chen Sung**  National Taiwan University | | Integration Of A Multi-View Dental OCT Imaging With Depth-Encoded Multiplexing And Image Registration Algorithm |
| G2-033 | **Pei-Chin Huang**  National Taiwan University | | Using Optical Coherence Microscopy (OCM) Technology For Dynamic Imaging Of Lung Carcinoma (CA) Cell Spheroids |