**Schedule of Presentations: Oral Session**

**Biomedical Informatic/ Biomedical Imaging**

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| **Nov. 1 (Friday) 15:10 – 16 :30 2F Room 36208****Chair：Prof. Lun-De Liao 廖倫德教授**(Institute of Biomedical Engineering and Nanomedicine, National Health Research Institutes)  |
| **Paper NO.** | **Presenter** | **Title** |
| G3-079 | **Yun-Ting Kuo**National Yang Ming Chiao Tung University | Imputation Technique To Boost Chronic Decoding Performance From Noisy Neural Recordings |
| G3-084 | **Kao-Shang Shih**Shin Kong Wu Ho Su Memorial Hospital | Three-Dimensional Radio-Density Statistical Shape Modeling For Subject-Specific Knee Joint With Fluoroscopy Images |
| G3-018 | **Po-Lun Chwang**National Yang Ming Chiao Tung University | YOLO For Small Object Detection Based On Transfer Learning: Detecting Molar-Incisor Hypomineralization And Caries |
| G3-019 | **Hong kun Lin**National Yang Ming Chiao Tung University | Constructing An Optimized Hyperparameter Model For Early Fatty Liver Detection Based On NASRL |
| G3-061 | **陳思瑋**銘傳大學 | 自動化居家智慧手部指甲健康檢測系統 |
| G3-053 | **Zi-Cen Liu**National Taiwan University | Development Of An Ensemble-Learning Model For The Differentiation Between Active And Inactive Myopic Choroidal Neovascularization (Mcnv) In Retinal Optical Coherence Tomography (OCT) And OCT Angiography Images |

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| **Nov. 2 (Saturday) 11:10 – 12 :30 1F Room 36173****Chair：Prof. Dean Chou 周鼎贏教授** (Department of Biomedical Engineering, National Cheng Kung University) |
| **Paper NO.** | **Presenter** | **Title** |
| G3-064 | **Te-Chi Yang**National Yang Ming Chiao Tung University | Soft Microelectrode Arrays With Modification Of Copolymerized PEDOT:(Polydopamine/Graphene) For Precise Electrophysiology Of Human Ipsc-Derived Cardiomyocytes |
| G3-026 | **Zi-Yao Hung**National Tsing Hua University | Low Complexity Hyperbeam Plane Wave Compounding Empowered Ultrahigh Resolution Ultrasound Power Doppler Imaging |
| G3-030 | **Thi-Kim-Nguyen Nguyen**National Cheng Kung University | Influence Of Saturation Parameter In Ultrasound Localization Microscopy. |
| G3-093 | **Chao-Ying Huang**National Tsing Hua University | Deep Learning-Based Auto-Quantification System For Bright-Filed HER2 Dual In Situ Hybridization (DISH) Image Analysis |
| G3-090 | **Chen-An Huang**National Taiwan University | Development Of A Dual-Stage Algorithm For Optical Coherence Tomography Skin Imaging And Quantitative Analysis |
| G3-023 | **Ben-Yi Liau**Feng Chia University | Using Multiscale Entropy To Quantify The Complexity Of Blood Pressure In Patients With Hypertensive Cardiovascular Disease |
| **Nov. 2 (Saturday) 15:40 – 17 :30 1F Room 36173****Chair：Prof.** **Wei-Wen Liu 劉瑋文教授** (Graduate Institute of Oral Biology, National Taiwan University) |
| **Paper NO.** | **Presenter** | **Title** |
| G3-078 | **Guan-Kai Huang**National Yung-Ming Chiao Tung University | Hyperscanning Neural Synchrony In Mother-Child Shared Reading |
| G3-027 | **Chun-Hsien Chiang**National Tsing Hua University | Ultrahigh Resolution And Low Speckle Distortion Ultrasound Plane Wave Compounding Imaging Technique |
| G3-021 | **Chun-Yi Lin**National Yang Ming Chiao Tung University | Simultaneous Brain Tumor Segmentation And Classification In 3D MRI With A Multi-Task Unet |
| G3-057 | **Chien Chen**National Cheng Kung University | Evaluation Of Dual Directional Wrist Tendon Motion Using Vector Doppler Imaging With A T-Shaped Transducer |
| G3-072 | **Shun-Yu Chen**Chang Gung University | Relationship Between Anesthetic Depth And Cerebral Blood Volume By Using Ultrasound Dynamic Ultrafast Doppler |
| G3-032 | **Chih-Ying Lin**National Cheng Kung University | High-Resolution Ultrasound Imaging Of Functional Erythrocytes Reveals Microscopic Neurovascular Activity In The Cerebral Cortex |

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| **Nov. 3 (Sunday)** **11:20~12:40 1F Room 36173****Chair：Prof. Yi-Yu Alan Hsu 徐禕佑教授**(Miin Wu School of Computing, National Cheng Kung University) |
| **Paper NO.** | **Authors** | **Paper Title** |
| G3-073 | **Anh-Duy Nguyen**Chang Gung University | Deep Learning-Based Tau PET Quantitation Without MRI |
| G3-076 | **Kumari Akanksha**Delhi Skill And Entrepreneurship University, India | Predictive Modeling Of Beating Behavior In Day 9 And Day 11 Heart Organoids: A Deep Learning Approach To Morphological Determinants |
| G3-041 | **Po-Tsen Lin**National Cheng Kung University | Analyzing The Cortical Activation Of Generalized Anxiety Disorder (GAD) Through Cognitive Tasks Using Functional Near-Infrared Spectroscopy (Fnirs) |
| G3-077 | **Pranay Sudhir Dongre**National Cheng Kung University | Intelligent 3D Analysis Of Breast Cancer Cells |
| G3-068 | **Keng-Yu Lin**National Taiwan University | Machine Learning Approach For The Assessment Of Insertion Depth Of The Central Venous Catheter |
| G3-005 | **Rakkrit Duangsoithong**Prince of Songkla University, Thailand | Empirical Analysis Using Feature Selection And Bootstrap Data For Pediatric Traumatic Brain Injury Classification |