

| 時間          | 地點    | 序號 | 題目_中文                           | 題目_英文  |
|-------------|-------|----|---------------------------------|--|
| 09:30~09:50 | ST306 | 9  | 適於電腦環境的智慧語音助理之開發                | Development of an intelligent voice assistant suitable for computer environment                                |
|             | ST338 | 16 | 基於HRNet骨架偵測於行為辨識之研究             | Skeleton Detecting for Human Pose Estimation Based on HRNet  |
|             | ST405 | 22 | 以太坊智能合約實現去中心化疫苗證照               | Decentralized Digital Vaccine Certificate with Ethereum Smart Contract   |
|             | ST407 | 39 | 基於LoRa的戶外空品與水質之智慧感測應用           | Smart Sensing Application of Outdoor Air Products and water Quality Based on LoRa                              |
| 09:55~10:15 | ST306 | 10 | Renascent Picasso關鍵字生成藝術圖像系統之開發 | Development of the Renascent Picasso Artistic Image Generation System  |
|             | ST338 | 1  | 使用Google Dialogflow設計之教學型機器狗    | Designing a Teaching Robot Dog on the Google Dialogflow  |
|             | ST405 | 23 | 透過擴增實境展示居家布置                    | Home Furnishing with Augmented Reality   |
|             | ST407 | 53 | YOLACT肢體暴力行為偵測                  | Detection of Violence in YOLACT  |
| 10:20~10:40 | ST306 | 11 | 推特用戶情緒分析與關聯呈現之研究                | A Study on Twitter Users Sentiment Analysis and Correlation Presentation                                       |
|             | ST338 | 2  | 自動廣告濾除系統                        | Automatic Advertisement Filtering System   |
|             | ST405 | 24 | 現今Rogue-Like卡片遊戲架構設計之探討         | The Design and Discussion of Modern Rogue-Like Card Games  |
|             | ST407 | 36 | 遷移式學習應用於正顎手術前後對稱性評估             | Symmetry Assessment of Orthognathic Surgery Using Transfer Learning  |
| 10:45~11:05 | ST306 | 6  | 5G基地台資源塊配置                      | Resource-Block Allocation in 5G Base Stations  |
|             | ST338 | 4  | 魚體疾病辨識                          | Fish Disease Identification  |
|             | ST405 | 25 | 以LSTM分析預測農場資源                   | Estimating Resource Utilization of Render Farm by Using LSTM   |
|             | ST407 | 34 | 短期記憶訓練遊戲APP-我要吃翻全世界             | Short-term Memory Training Game-Pigging out around the world   |
| 11:10~11:30 | ST306 | 7  | 以交換器埠對埠之多層次佇列數據排程研製5G網路         | Implementing 5G Network Slices by Using Multi-Level Queue on Switch for Port-to-Port Data Transmission         |
|             | ST338 | 52 | 機器學習應用於胸痛病人聲音辨識                 | Machine Learning Applied to Voice Recognition in Patients with Chest Pain                                      |
|             | ST405 | 26 | 網路新聞應用數據之Kafka效能優化              | Kafka Performance Tuning for Internet News Data  |
|             | ST407 | 47 | 胸痛病人臉部表情偵測系統及臨床應用之研究            | Medical Facial Expression Detection System for Patients with Chest Pain and Clinical Application with Research |
| 11:35~11:55 | ST306 | 8  | 基於演算法排程實現的交換器輸出埠切片與資源配置         | Slicing and Resourcing at Switch Output Ports Based on Algorithmic Scheduling                                  |
|             | ST338 | 43 | 台灣本島天氣應用查詢虛擬實境系統                | Application of Taiwan Weather in Virtual Reality   |
|             | ST405 | 61 | BERT模型分析                        | BERT Analysis  |
|             | ST407 | 49 | 機器學習應用於心臟超音波資料特徵選取              | Feature Selection of Echocardiograms Data in Machine Learning  |
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| 13:00~13:20 | ST306 | 13 | 即時贓車搜尋系統                        | A Real-Time Stolen-Car Recognition System  |
|             | ST338 | 31 | 基於深度學習人體姿態辨識系統之異常行為偵測           | Abnormal behavior detecting for the identification system based on deep learning human posture.                |
|             | ST405 | 37 | 使用機器學習應用於工具機台時序資料之預測            | Prediction Using Machine Learning Applied to Machine's Time-Series Data  |
|             | ST407 | 35 | 全動態AES設計與實作                     | Design and Implementation of Fully Dynamic AES   |

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| 13:25~13:45 | ST306 | 14 | 基於街景文字辨識技術之定位系統                     | A Location System Based on Scene Text Recognition Technology   |
|             | ST338 | 32 | 利用深度學習模型自動偵測視網膜中央窩                  | Automatic Detection of Fovea Using Deep Learning Model   |
|             | ST405 | 38 | 偵煙偵火模型結合邊緣裝置應用與系統建置                 | Edge device application and system build on smoke and fire detection model   |
|             | ST407 | 54 | 利用鄰近平均值的資訊隱藏工具                      | Data hiding by using adjoint average tool  |
| 13:50~14:10 | ST306 | 15 | 基於全同態加密技術的雲端醫療隱私保護系統                | Privacy Protection System for Cloud Based Disease Prediction System  |
|             | ST338 | 33 | 3D校園AR導覽遊戲-米娜東海遊                    | 3D Augmented Reality Campus Tour Game  |
|             | ST405 | 41 | 整合Apache Kafka 於3D地圖之視覺化WiFi定位      | Integration of Apache Kafka to Visualize WiFi Positioning in 3D Map  |
|             | ST407 | 55 | 基於音樂特徵之Spotify推薦系統實作                | Spotify Recommendation System Implementation Based on Music Features   |
| 14:15~14:35 | ST306 | 17 | RASS躁動客觀標準評估系統開發與設計之技術              | Design and Implementation of RASS's Agitation Assessment System  |
|             | ST338 | 42 | 電子商務商品組合推薦系統之研發                     | Research and Development of Bundle Recommendation System in E-Commerce   |
|             | ST405 | 50 | 基於邊緣運算之NVIDIA Jetson Xavier NX 車牌辨識 | Edge Computing of License Plate Recognition on NVIDIA Jetson Xavier NX   |
|             | ST407 | 56 | 運用機器學習預測社群粉絲專頁中外部連結的真實性             | Using Machine Learning to Predict The Authenticity of External Links in Community Fan Pages                        |
| 14:40~15:00 | ST306 | 18 | 運輸業碳排放系統開發                          | Carbon Emission System Development for the Transportation Industry   |
|             | ST338 | 44 | 災害路段智慧避障之地圖導航系統                     | Map Navigation System for Impassable Road  |
|             | ST405 | 28 | Temi機器人之互動導覽應用與系統優化                 | System Optimization of Interactive Tour Application on Temi Robot  |
|             | ST407 | 57 | 基於後量子密碼學的區塊鏈                        | Blockchain Base on Post-Quantum-Cryptography(PQC)  |
| 15:05~15:25 | ST306 | 19 | 應用機器學習於糖尿病治療之分析及預測                  | Machine Learning for Therapy Application and Prediction on Diabetes  |
|             | ST338 | 45 | 人臉皮膚病徵檢測系統                          | Facial Symptom Detection System  |
|             | ST405 | 29 | 標籤化風格3D場景重建                         | Labelized Style 3D Scene Reconstruction System   |
|             | ST407 | 58 | 進階加密標準面對量子電腦威脅實作可程式化邏輯              | Field Programmable Gate Array Implementation of Advanced Encryption Standard Facing the Threat of Quantum Computer |
| 15:30~15:50 | ST338 | 46 | 現實物件轉換於虛擬實境之研究                      | Transform Reality Object into Virtual Reality Type   |
|             | ST405 | 30 | 3D AR家具組裝辨識零件教學組裝系統                 | A Furniture Assembly Teaching System Using 3D AR Identification  |
|             | ST407 | 51 | 基於深度學習道路坑洞檢測之研究                     | The Implementation of Pothole Detection System Based on Deep Learning  |