

南臺學報工程科學類

Journal of Southern Taiwan University of Science and Technology:
Engineering Science Edition

第 4 卷第 1 期

中華民國 108 年 3 月

Vol.4, Issue 1

Mar., 2019

目 錄 CONTENTS

| | | |
|--|-----------------------------|----|
| 應用行動群眾感知於公車乘客載運監測與調度規劃之研究 A Study of Using Mobile Crowd Sensing to Monitor the Transport of City Buses for Schedule Planning | 吳昭儀、李庭光、 王靜怡 | 1 |
| 先進讀表基礎架構下之零碳電能建築規劃 Planning of Net-Zero-Electrification Building in the Advanced Metering Infrastructure | 凌拯民 | 18 |
| 極端風況下風力機之結構負載分析與操作策略 Operation Strategy and Load Analysis of the Wind Turbine under Extreme Wind Conditions | 劉瑞弘 | 38 |
| 具視覺伺服架構之多軸飛行器於管道追蹤之研究 Development of a Visual Servo Multirotor for Pipeline Tracking | 謝銘原、黃品翰 | 56 |
| 融入增強複合功率調節技術之整合型諧振驅動電路於電漿放電應用 研究 Investigation of Integrated Resonant Driving Circuit with an Enhanced Hybrid Power Modulation Technique for Plasma Discharging Application | 李宗勳、張峻嘉、 陳羿帆、張羽霖、 黃紹恩 | 70 |
| 組合式 GFRP 梁-版系統於公路橋梁之研究 A Study on the Application of the Combined GFRP Beam-Deck System to Highway Bridges | 李有豐、林毓瑛、 沈銘原 | 88 |