

Oral Session 2 口頭報告 II

14:30-16:00, June 1st, 2018 (Friday)

Session: Fabrication Technologies

Venue: Room BX-2

Chairs: 鄒慶福教授 / 林明澤教授

| Time | Paper | Page |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|------|
| 14:30-15:00 | Invited speaker: 林明澤教授 Mechanical Properties Measurement of Submicron Ti-Ni Shape Memory Alloys Thin Films application for MEMS | |
| 15:00-15:12 | A1-00-0011 以攙氮之矽-氧化矽-氮化矽-氧化矽-矽元件作紫外光劑量感測器 謝文靚, 蔡子儀, 曾偉庭, 曾冠綸, 蘇裕辰 | |
| 15:12-15:24 | A1-00-0012 多元條件下懸臂樑式離子聚合體金屬複合材料致動器長時間作動之特性探討 劉紘瑜, 馮國華 | |
| 15:24-15:36 | A1-00-0016 網格狀具多壁奈米碳管複合矽膠材料之壓阻特性研究 莊承鑫, 翁子瑋, 王承安, Muhammad Omar Shaikh | |
| 15:36-15:48 | A1-00-0003 3D 微結構壓電纖維製造技術之設計與應用 沈聖智 | |
| 15:48-16:00 | A1-00-0005 CVD 成長石墨烯轉印於氧化鋅奈米結構應用於光感測 蔡清耀 | |

Session: Nanomaterials-based Sensors

Venue: Room BY

Chair: 翁文慧教授

| Time | Paper | Page |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 14:30-15:00 | Invited speaker: 王安邦教授 Title: Microfluidics, Modern? or Traditional? | |
| 15:00-15:12 | C3-00-0006 探討葷狀結構與曲面石墨烯對丙酮感測之影響 黃楚翔, 程威瑜, 陳琮誠, 蔡宗叡, 賴朝松, 楊家銘 | |
| 15:12-15:24 | C4-00-0012 Graphene quantum dots from spent coffee ground for glucose sensor Filimon Hadish, Shyankay Jou | |
| 15:24-15:36 | C4-00-0019 Chromium(III) Detection Using Ion Selective Membrane Immobilized on Extended Gate FET for Water Pollution Suman Shahim, Revathi Sukesan, Ching-Yen Hseih, Shin-Li Wang and Yu-Lin Wang | |
| 15:36-15:48 | C4-00-0023 Novel approach to find Au@ZnO-NR based SERS signal enhancement using Principal Component Analysis (PCA) | |

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| | Akhilesh Kumar Gupta;Ching-Hsiang Chen;Chao-Sung Lai | |
| 15:48-16:00 | C4-00-0024 一種可攜式且自供電之生醫系統用於血糖及乳酸感測 林宗宏, 林鈺郡, 張庭維, 陳詮樺 | |

