**2017化工年會論文口頭發表競賽得獎名單**

**A. 生化及生醫工程**

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| **主題** | **演講者** | **論文總分** |
| An NIR-Absorbing Nanoparticle System Loaded with TLR-7/8 Ligand for Combinational Photothermal Immunotherapy | 陳柏銘清華大學化工系 | 傑出 |
| Synthesis of Molybdenum Disulphide (MoS2) Gadolinium Complex with Core Shell Structure Used as in vivo MRI Imaging | RajeshkumarAnbazhagan臺灣科大應用科技究所 | 傑出 |
| Dual-growth BioresorbableElectrospun Membrane of Metrodinazole/PDLLA and PDGF/PLLA for Guided Tissue Regeneration | Jeannete Cindy Claudia臺灣科大化工系 | 佳作 |
| Reform the Distribution of Cells by Using Inhibitors to Change the Stochasticity of the Bistable System | 羅世強臺北科大化工與生技系 | 佳作 |
| Developing An Inexpensive And Effective Cadmium Bioassay | 陳子萱臺灣科大化工系 | 佳作 |

**C. 材料在化工之應用**

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| **主題** | **演講者** | **論文總分** |
| Printed Array Sensors for Simultaneous Temperature and Humidity Monitoring  | 蕭富仁臺灣大學化工系 | 傑出 |
| Syntheses of Gold Nanoparticles by Atmospheric Pressure Plasma Jet and Its Bioapplications  | 林皓瑜臺灣科大化工系 | 佳作 |

**D. 電化學技術**

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| **主題** | **演講者** | **論文總分** |
| Electrochemical Capacitive Behavior of CuFe2O4 in Organic Li-Ion Electrolyte  | 林彥丞臺灣大學化工系 | 傑出 |

**E. 綠色化工技術與程序系統工程**

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| **主題** | **演講者** | **論文總分** |
| 樹脂轉注成型之局部滲透率與孔隙率的比值估計 | 李佳賓清華大學化工系 | 傑出 |
| Design and Analysis of Bi-Reforming Based Solid Oxide Fuel Cell Combined Heat and Power Systems | 林麒庭臺北科大化工系 | 佳作 |

**F. 觸媒及反應工程**

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| **主題** | **演講者** | **論文總分** |
| Kinetics of Xylose Conversion to Furfural Catalyzed by Sulfuric Acid and Chromium(III) Sulfate | 王志恒臺灣大學化工系 | 傑出 |
| Role of In-situ Formed Iron Phosphate in Electrocatalytic Properties of Iron Oxides | 黃瑋翔成功大學化工系 | 佳作 |

**H. 輸送與分離工程**

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| **主題** | **演講者** | **論文總分** |
| Weakly Charged Nanopores Can Generate High Nanofluidic Salinity Gradient Power | 邱羽婷雲林科大化材系 | 傑出 |
| Sliding Dynamic Behavior of a Nanobubble on a Surface | 朱罡慶中央大學化材系 | 佳作 |