

研究生英文報告競賽 — A 組

2023/11/15, Friday 09:30-12:00 a.m. | 地點(location) : (4)化材館 ME204

主持人(Chair) : 評審委員 2 位

時間	口頭競賽編號 論文編號	論文題目	發表人
9:30 - 9:40	O-A-001 0037	High-Efficiency Full-cell Electrolysis Water Splitting at 1 A/cm²: Multi Metals- doped Nickel Sulfide Nanorod Arrays *Quoc-Nam Ha ¹ , Chan-Yu Chan (詹育展) ² , #Dong-Hau Kuo (郭東昊) ^{1,2}	Quoc-Nam Ha 臺灣科技大學
9:40 - 9:50	O-A-004 0108	Phase-Field Simulation of Solute Segregation and Intermetallics Formation in Solidified CoCrNiSix Medium-Entropy Alloys and a Ferritic Free-Cutting Stainless Steel *Hao-Chuan Huang (黃浩銓) ¹ , Jian-Shiang Chen (陳建翔) ¹ , Yu-Cheng Hsiao (蕭宇呈) ¹ , Po-Hsuan Chang (張昂軒) ¹ , Si-Yuan Hu (胡錫淵) ¹ , Jih-Ching Lin (林芷菁) ¹ , Cheng-Wen Chen (陳政文) ² , Sheng-Yuan Cheng (鄭勝元) ² , and #Te-Cheng Su (蘇德微) ¹	黃浩銓 臺灣大學
9:50 - 10:00	O-A-007 0153	Fabrication of Self-Wrinkling Polymer Films with Tunable Patterns Through an Interfacial-Fuming-Induced Surface Instability Process *Yi-Chen Chen (陳易辰) ¹ , Ying-Wei Luo (羅英瑋) ¹ , Ching-Yu Huang (黃景昱) ¹ , Yan-Lin Li (李彥霖) ¹ , Ting-Lun Chen (陳亭倫) ¹ , Ting-Yu Xu (許庭瑜) ¹ , Han-Yu Hsueh (薛涵宇) ¹	Yi-Chen Chen 中興大學
10:00 - 10:10	O-A-010 0187	Tungsten-Based Thin Film Metallic Glass as Diffusion Barrier between Copper and Silicon Pei-Yu Chen (陳貝瑜), Jhen-De You (游振德) and Chun-Hway Hsueh (薛承輝)	Pei-Yu Chen (陳貝瑜) 臺灣大學
10:10 - 10:20	O-A-013 0283	Optoelectronic Properties of BOSe/Si High Performance Heterojunction *Tzu-Pu Hung (洪子普) ¹ , Wei-Han Chen (陳威翰) ¹ , Yi-Jyun Chen (陳奕鈞) ¹ , Yu-Hao Du ¹ (杜雨浩), Zhi-Hao Huang ² (黃志豪), Yu-Lun Chueh ¹ (關郁倫), Cheng-Ying Chen ³ (陳政營), Ying-Hao Chu ¹ (朱英豪)	Tzu-Pu Hung 清華大學
10:20 - 10:30	O-A-016 0333	Phosphorus-ion implanted SnS₂ Thin Films for Selective CO₂-to-CH₄ Photocatalytic Conversion *Tadios Tesfaye Mamo(答迪歐) ^{1,2} , Mohammad Qorbani(柯伯尼) ³ Adane Gebresilasise Hailemariam(阿丹) ^{2,4} , #Li Chyong Chen(林麗瓊) ^{3,5} * and #Kuei-Hsien Chen(陳貴賢) ^{2,3} *	Tadios Tesfaye Mamo 臺灣大學
10:30-10:50 休息時間			
10:50 - 11:00	O-A-019 0362	Robust and Intimate Interface Enabled by Silicon Carbide as an Additive to Anodes for Lithium Metal Solid-State Batteries *Pavitra Srivastava ¹ #Ru-Shi Liu (劉如燕) ¹	PAVITRA SRIVASTAVA 臺灣大學
11:00 - 11:10	O-A-022 0379	Effects of minor elements in a high-entropy alloy processed by SLM *Po-Heng Chou ^{1, 2} , Hao-ran Xie ³ , Tso-Wei Chen ^{1,2} , Mainak Saha ⁴ , Taisuke Sasaki ⁴ , Koji Takehi ⁵ , Hideyuki Murakami ⁶ , An-Chou Yeh (葉安洲) ^{1, 2} *	周伯衡 清華大學
11:10 - 11:20	O-A-025 0435	Fabricate Thermochromic Cholesteric Liquid Crystalline Actuation Film with Dual Layer Structure. *Chung-Yu Kuo (郭仲瑜) ¹ , Jui-Hsiang Liu (劉瑞祥) ² , #Chun-Yen Liu (劉俊彥) ¹	郭仲瑜 成功大學
11:20 - 11:30	O-A-028 0489	Inspection and Design of Hybrid Bonding Using In-situ Heating Atomic Force Microscopy for 3D IC Packaging *Huai-En Lin (林懷恩) ¹ , Wei-Lan Chiu (邱韋嵐) ² , Hsiang-Hung Chang (張香毓) ² , #Chih Chen (陳智) ¹	Huai-En Lin 陽明交通大學
11:30 - 11:40	O-A-031 0528	Flexible Magnetoelectric Transducer Based on Muscovite Heterostructure *Ya-Jing Wu (吳亞靜) ¹ , Yong-Jyun Wang (王詠鈞) ¹ , #Ying-Hao Chu (朱英豪) ¹	吳亞靜 清華大學
11:40 - 11:50	O-A-034 0557	Self-assemble fabrication and plasmonic enhancement of porphyrin-based/alginate platform for photocatalytic hydrogen production *Yi-Hsueh Chen (陳怡學) ¹ , An-Yun Wu ² , #Jr-Jeng Ruan (阮至正) ³	陳怡學 成功大學
11:50 - 12:00	O-A-037 0646	A study of Halide Ion Exchange Induced Phase Transition in CsPbBr₃ PQDs for Detecting Chlorinated Volatile Compounds * Jia-Qian Guo (郭家騫) ^{1,2} , Duc-Binh Nguyen(阮德平) ¹ , Wei-Chun Lin (林煒淳) * ² , Yi-Hsin Chien (簡儀欣) * ¹	郭家騫 中山大學

研究生英文報告競賽 — B 組

2023/11/15, Friday 09:30-12:00 a.m. | 地點(location) : (5)化材館 ME205

主持人(Chair) : 評審委員 2 位

時間	口頭競賽編號 論文編號	論文題目	發表人
9:30 - 9:40	O-B-002 0045	Space Charge Effects in Electronic, Ionic, and Mixed-conducting Heterojunctions *Shu-Han Chen (陳書涵) ¹ , Ting-Wei Chen (陳廷瑋) ¹ and Chia-Chin Chen (陳嘉晉) ¹	陳書涵 臺灣大學
9:40 - 9:50	O-B-005 0112	Miscibility gaps in the Ag-Cu-Se-Te quaternary system *Yung-Chun Tsai (蔡永濬) ¹ , Yung-Jen Chuang (莊詠任) ¹ , #Sinn-wen Chen (陳信文) ^{1, 2}	蔡永濬 清華大學
9:50 - 10:00	O-B-008 0165	Inorganic-Organic Hybridization for Enhanced Thermoelectric Thin Films: An Examination of the Bi₂Te₃ Electricity Generator Incorporating Self-Healing Polymers *Jen-Hsun Weng (翁振薰) ¹ , Hsin-Jay Wu (吳欣潔) ¹ , Ho Hsiu Chou (周鶴修) ² , Ying-Chih Lai (賴盈至) ³	Jen-Hsun Weng (翁振薰) 臺灣大學
10:00 - 10:10	O-B-011 0237	Metallic glass-based trilayered structure within atmospheric windows for radiative cooling *Yu-Ching Shih (施育璟) ¹ , Tzu-Chieh Hsiao (蕭子傑) ¹ , Wei-Han Wang (王威翰) ¹ , Sih-Wei Chang (張思偉) ¹ , and #Hsuen-Li Chen (陳學禮) ^{1, 2}	Yu-Ching Shih 臺灣大學
10:10 - 10:20	O-B-014 0285	High content heteroatoms of jute fibers derived activated carbon composited graphene for supercapacitors Ming-Che Cheng (鄭名哲) ¹ , Yu-Sung Chang (張寓濂) ¹ , Du-Cheng Tsai (蔡篤承) ¹ , Fuh-Sheng Shieu* (薛富盛) ¹	鄭名哲 中興大學
10:20 - 10:30	O-B-017 0348	Comprehensive Neurotoxicity of Lead Halide Perovskite Nanocrystals in Nematode Caenorhabditis elegans Loan Thi Ngo (吳氏鸞) ^{1,2} Ru-Shi Liu (劉如燕) ^{1*}	吳氏鸞 (Loan Thi Ngo) 臺灣大學
10:30-10:50 休息時間			
10:50 - 11:00	O-B-020 0363	Bi₂O₂Se Homojunction for Advanced Electronics *Yong-Jyun Wang (王詠鈞) ¹ , Yu-Lun Chieh (闕郁倫) ¹ , #Ying-Hao Chu (朱英豪) ¹	Yong Jyun Wang 清華大學
11:00 - 11:10	O-B-023 0394	High-Efficiency Perovskite Quantum Dots for Micro-LED Applications *Yen-Huei Lin (林諺輝) ¹ Wen-Tse Huang (黃文澤) ¹ #Ru-Shi Liu (劉如燕) ¹	Yen-Huei Lin 臺灣大學
11:10 - 11:20	O-B-026 0442	Enhanced Broadband Photodetection in ZnO/ZnS Core-Shell Structures on Flexible Polyimide Substrates through Optimal Sulfurization Yi-Sheng Chen (陳藝升) ¹ , Xian-Yu Chen (陳顯昱) ¹ , Jyun-Jie Chen (陳駿傑) ² , Cheng Shan Chen (陳呈善) ³ , Deng Yi Wang (王鎧翊) ³ , Wu-Chen Liao (廖震武) ¹ , Chun-Han Chen (陳俊翰) ¹ , YU Chen LO (駱有誠) ¹ , Chun-Hung Lin (林俊宏) ² , Yew-Chung Wu (吳耀銓) ³ , Hsiang Chen (陳祥) ^{1*}	陳藝升 暨南國際大學
11:20 - 11:30	O-B-029 0508	Versatile memristor with neuronal and synaptic functions for neuromorphic computing *Zih-Siao Liao (廖子翳) ¹ Pei-Lin Lin (林沛霖) ¹ Shuai-Ming Chen (陳帥名) ¹ Kuan-Ting Chen (陳冠廷) ¹ #Jen-Sue Chen (陳貞夙) ^{1, 2}	廖子翳 成功大學
11:30 - 11:40	O-B-032 0532	Study on the Magnetic and Photoluminescence Properties of Amorphous Carbon Layer Decorated Iron Oxide Hollow Spheres *Pei-Kai Hsu (徐培凱) ¹ , Wei-Rong Yang (楊薇蓉) ² , #Jenn-Ming Song (宋振銘) ^{2, 3} , Shih-Yun Chen (陳詩芸) ¹	Pei-Kai Hsu 臺灣科技大學
11:40 - 11:50	O-B-035 0568	Study of the Micromechanical Properties of Synthetic Mica under Various Stress Angles via Nanoindentation *Yu-Hao Tu (杜雨浩) ¹ , Ping-Hsu Ko (柯秉繙) ² , Shou-Yi Chang (張守一) ^{1,2} , Ying-Hao Chu (朱英豪) ^{1,2}	杜雨浩 清華大學
11:50 - 12:00	O-B-038 0676	Ultra-broadband Chiral Emission with High Dissymmetry Factor from CsPbBr₃ QDs / Cu Nanoclusters Eggshell Membrane Composite with Cholesteric Superstructure Stack *Tan-De Liu (劉探得) ¹ , Jia-Qian Guo (郭家騫) ¹ , Yu-Jie Zhang (張宇傑) ¹ , Chun-Ta Wang (王俊達) ^{1*} , Yi-Hsin Chien (簡儀欣) ^{2*} , Wei-Chin Lin (林煒淳) ^{1*}	劉探得 中山大學

研究生英文報告競賽 — C 組

2023/11/15, Friday 09:30-12:00 a.m. | 地點(location) : (6)化材館 ME206

主持人(Chair) : 評審委員 2 位

時間	口頭競賽編號 論文編號	論文題目	發表人
9:30 - 9:40	O-C-003 0082	Minimizing Ferroelectric Imprint via Electrode Design *Yu-Wei Chen ¹ , Dong-Yuan Yu ² , Yun-Chi Su ¹ , Wei-Chen Hung ¹ , Chun-Wei Huang ³ , Bhagwati Prasad ⁴ , Ramamoorthy Ramesh ^{5,6} , Yen-Lin Huang ^{1*}	YU WEI CHEN 陽明交通大學
9:40 - 9:50	O-C-006 0137	Unexpected interfacial reactions in Co/Bi₂Te₃ and Ni/Bi₂Te₃ couples *Cheng-Hsi Ho(何承禧) ¹ , Jia-Ruei Chang(張家瑞) ¹ , Hong-Dian Chiang(蔣宏典) ¹ and #Sinn-wen Chen(陳信文) ^{1,2}	何承禧 清華大學
9:50 - 10:00	O-C-009 0173	Improved the conductivity by PEDOT:PSS of graphene oxide for photothermal, electricthermal and humidity responsive bilayer soft actuators Wei-Cheng Jhao (趙偉誠), En-Jui Chang (張恩瑞), Meng-Fang Lin (林孟芳)*	趙偉誠 明志科技大學
10:00 - 10:10	O-C-012 0264	Study of Deformation Mechanism in Dual-Precipitation Strengthened CoCrNi Medium Entropy Alloy by Al and Nd Co-Doping *Chung-Chih Tsai (蔡鍾智) ¹ , # Chun-Hway Hsueh (薛承輝) ¹	蔡鍾智 (Chung Chih Tsai) 臺灣大學
10:10 - 10:20	O-C-015 0323	Multilayer Extrusion using 3D printed Microfluidic Modules. *Po-Tang Chen (陳柏棠), Kevin Chiou(邱政維)	陳柏棠 中山大學
10:20 - 10:30	O-C-018 0353	Large-scale mass production of advanced high-entropy catalysts for application in anion exchange membrane water electrolyzers *Yu-Zhe Zhang(張育哲) ¹ , Ching-Yu Chiang(蔣慶有) ² , Wei-Hsuan Hung(洪緯璿) ¹	Yu-Zhe Zhang(張育哲) 中央大學
10:30-10:50 休息時間			
10:50 - 11:00	O-C-021 0371	Direct Recovery of Ternary Cathode Materials from All-Types Spent Lithium-Ion Batteries *Jing-Yin Lin (林淨因), Tzu-Ming Cheng (鄭梓民), Yung-Ling Chang (張詠凌), Yen-Tzu Chen (陳彥慈), Xiao-Dong Wang (王曉東), #Chih-Huang Lai (賴志煌)	林淨因 清華大學
11:00 - 11:10	O-C-024 0416	Study on the Effects of Platelet-Derived Growth Factor and Hyaluronan on Hair Regeneration Wen-Che Hsu (許文哲) ¹ , Jia-Ying Chang (曾迦穎) ¹ , Ling-Huei Huang (黃玲惠) ² and Chun-Yen Liu (劉俊彥) ¹	許文哲 成功大學
11:10 - 11:20	O-C-027 0471	Characterization of threading dislocations in gallium nitride epilayers using a high-resolution electron backscatter diffraction method *Shi-Hui Liu (劉士滙) ¹ , #Liuwen Chang (張六文) ¹	劉士滙 中山大學
11:20 - 11:30	O-C-030 0517	MOF-199-derived CuO and Fe heterostructure as Cathode Catalyst for Anion Exchange Membrane Fuel Cell *Afandi Yusuf ¹ , Guan-Cheng Chen ^{1,2} , Chen-Hao Wang ^{1,2}	Afandi Yusuf 臺灣科技大學
11:30 - 11:40	O-C-033 0542	Electrochemical Sensing of Acetaminophen Using a composite of MXene/PC *Ali Rizvi ¹ , Sathishkumar Chinnapaiyan ¹ , Chinnathambi Nandhini ¹ , Jarrn-Hrong Lin ² , #Chi-Hsien Huang ^{1,3}	Ali Rizvi Ming Chi University of Technology
11:40 - 11:50	O-C-036 0586	Pressure-induced band gap engineering and enhanced optoelectronic properties of non-toxic InZnF₃ perovskite: Insights from density functional theory Sana Ullah,* ¹ Muhammad Shafiqullah, ¹ and Te Hsien Wang# ¹	Sana Ullah National Chung Hsing University
11:50 - 12:00	O-C-039 0721	Light exposure pre-treatment for copper-to-copper direct bonding for advanced electronic packaging Yu-Cheng Ke(柯昱誠), Chun-Kai Lin (林君愷), Jenn-Ming Song(宋振銘)	林君愷 中興大學