

## 學生英語報告競賽議程表

地點：中央大學 工程一館二樓 E252 教室

時間	報告 編號	論文 編號	姓名	單位	論文題目
09:30   09:40	EP001	0025	李佳豪	中正大學	Neuronal differentiation of iPS cells in polyacrylamide-chitosan inverted colloidal crystal scaffolds with surface poly(lactide-co-glycolide) nanoparticles and TATVHL peptide
09:41   09:51	EP002	0041	李承德	台灣大學	Creation of cell-derived extracellular-matrix of both random and align ECM scaffold as a template of vascular tissue engineering
09:52   10:02	EP003	0048	劉芷含	台灣大學	Computational Study on Mechanical Properties of Double-walled Aluminogermanate Nanotubes
10:03   10:13	EP004	0061	楊舒博	成功大學	Design, Analysis and Optimization of an Annular Methanol Reformer
10:14   10:24	EP009	0096	謝肇文	中央大學	PLURIPOTENCY AND DIFFERENTIATION ABILITY OF HUMAN ADIPOSE-DERIVED STEM CELLS CULTURED IN 2-D AND 3-D CULTURE
10:25   10:35	EP007	0088	陳則豪	元智大學	Use of bio-conjugated quantum dots in developing rapid and sensitive AC electrokinetically actuated FERT sensor
10:35   10:45	EP005	0069	梁紫涵	成功大學	Use of a long double-stranded DNA as a stretchable dynamic molecular antenna for enhancing FRET sensing and detection
<b>10:45 – 11:00 壁報論文參觀與茶敘</b>					
11:00   11:10	EP008	0092	陳麗華	中央大學	Human Pluripotent Stem Cells Cultured on Recombinant Human Vitronectin-grafted Hydrogels by Adjusting Surface Charge
11:11   11:21	EP010	0132	劉政輝	中央大學	hPSC Differentiation into Cardiomyocytes Cultured on Biomaterials Immobilized Nanosegments (ECMs and Oligopeptides)
11:22   11:32	EP011	0139	林詠皓	台灣大學	Preparation and characterization of keratin/chitosan UV-crosslinked composite film
11:33   11:43	EP012	0149	張倚偉	中央大學	Preparation and Comparative Study of MIL-53-Based Mixed-Matrix Membranes Involving Different Casting Solvents
11:44   11:54	EP013	0182	陳澤瑋	台北科大	Non-enzymatic hydrogen peroxide sensor based on a glassy carbon electrode modified with a composite consisting of chitosan encapsulated graphite and platinum nanoparticles
11:55   12:05	EP014	0188	蔡鎮宇	臺灣大學	Effect of nano-groove topography on human adipose derived stem cell (hASC) differentiation
12:05   12:15	EP006	0070	陳易靖	成功大學	Use of bio-conjugated quantum dots in developing rapid and sensitive AC electrokinetically actuated FERT sensor

地點：中央大學 工程一館二樓 E252 教室

時間	報告 編號	論文 編號	姓名	單位	論文題目
13:30   13:40	EP015	0196	李孟蓓	中央大學	Human Embryonic Stem Cells Culture on Heparin-immobilized Surface under Xeno-free Conditions
13:41   13:51	EP016	0207	周致羽	中央大學	Glyme solvents based on Mg(BH <sub>4</sub> ) <sub>2</sub> as electrolyte for magnesium hybrid batteries
13:52   14:02	EP017	0221	林郁婷	台灣大學	Development of a surface plasmon resonance and plasmon-waveguide resonance combined chip for studying the transport behaviors of cell membrane transport proteins
14:03   14:13	EP018	0236	吳玆瓚	台北科大	Elucidation of adsorption mechanisms of solvent molecules with distinct functional groups on amylose
14:14   14:24	EP019	0256	楊延齡	台灣大學	Solid-supported polymer bilayers formed by coil-coil block copolymers
14:25   14:35	EP020	0295	吳冠翰	台灣大學	Fabrication of Uniform Pore Size Scaffolds And Its Influence Toward Adipose-Derived Stem Cells Chondrogenic Ability
14:35   14:45	EP021	0311	韓孟淮	成功大學	Free Energy of Protein Folding and Adsorption at the Air / Water Interface
<b>14:45 – 15:00 壁報論文參觀與茶敘</b>					
15:00   15:10	EP022	0316	葉冠麟	中央大學	Integration of Chemical Synthesis with Co-crystallization: The Study of Sulfathiazole Co-crystal Systems
15:11   15:21	EP023	0322	蕭永柔	台灣科大	Theoretical Study on selection of High-Purity Semiconducting Single-Walled Carbon Nanotubes through wrapping of Conjugated Polytriarylamines
15:22   15:32	EP024	0326	陳峙瑋	中央大學	The Kinetics Study for the Three-in-One Production of Dimethyl Fumarate from Synthesis, Crystallization to Spherical Agglomeration
15:33   15:43	EP025	0328	高崇瑋	臺灣大學	Proliferation and Differentiation of Human Adipose-Derived Stem Cell on Zwitterionic Poly-SBMA Hydrogels
15:44   15:54	EP026	0350	林凱聖	台灣科大	Facile Synthesis of GQD-AgNP Nanohybrids by Micorplasma-Assisted electrochemistry for Biomolecular Sensing
15:55   16:05	EP027	0351	黃俊庸	台灣大學	Preparing Superhydrophobic Layer on Ceramic Alumina by a Simple Coating Method for Vacuum Membrane Distillation
16:05   16:15	EP028	0352	張家維	台灣大學	Accelerated Stability Assessment for Nanowires Stabilized in Non-Newtonian Fluid

地點：中央大學 工程一館二樓 E248 教室

時間	報告 編號	論文 編號	姓名	單位	論文題目
09:30   09:40	EP029	0361	謝念庭	中原大學	Blood-inert Control of Zwitterionic Copolymers Anchoring on Polypropylene Films via Surface Zwitterionization
09:41   09:51	EP030	0362	張兆文	台灣大學	Chemical Vapor Deposition Synthesized Poly-p-xylylene Membranes for Gas Separations
09:52   10:02	EP031	0365	紀姮羽	臺灣大學	Direct deposition of zeolitic imidazolate framework thin films from stabilized suspensions
10:03   10:13	EP032	0371	彭宣穎	台灣大學	Printed Electrolyte Matrix Film For Flexible Electrochromic Rewritable Paper
10:14   10:24	EP033	0380	陳冠鈞	台灣科大	Microplasma-assisted synthesis of AuAg bimetallic nanoparticles/graphene nanocomposite for SERS applications
10:25   10:35	EP034	0394	林璟琪	中央大學	Spherical or Non-spherical: Effect of Particle Morphology on Electrostatic Precipitator Performance for Collecting Nanoparticles
10:35   10:45	EP035	0402	黃冠銘	臺灣大學	Production of 3D Metallic Microstructures on Flexible Substrate
<b>10:45 – 11:00 壁報論文參觀與茶敘</b>					
11:00   11:10	EP036	0403	林佑齊	成功大學	Fabrication of Multifunction Fe <sub>3</sub> O <sub>4</sub> /Au/Polypyrrole Composite Nanoparticles for SERS Imaging and NIR Photothermal Ablation of Bacteria
11:11   11:21	EP037	0406	周俐慧	中央大學	Controllable electrical performance of spray-coated semiconducting small molecule/insulating polymer blend thin film for organic field effect transistors application
11:22   11:32	EP038	0432	曾文宏	高雄大學	New cationic copolymers for quick platelet isolation
11:33   11:43	EP039	0433	BHIM SEN THAPA	宜蘭大學	Studies on Bioelectricity generation by Shewanella sp. with electron shuttles in Microbial fuel cells
11:44   11:54	EP040	0438	邱顯隆	臺灣大學	Direct Printed Stretchable Organic Thin Film Transistor
11:55   12:05	EP041	0445	陳彥儒	台灣大學	Modeling of methylcyclohexane dehydrogenation in catalytic membrane reactor by numerical method
12:05   12:15	EP042	0451	蘇彥韶	雲林科大	Investigation of Ion Transport Phenomena in Alumina Nanochannel Arrays: Temperature and pH Effects

## 地點：中央大學 工程一館二樓 E248 教室

時間	報告 編號	論文 編號	姓名	單位	論文題目
13:30   13:40	EP043	0454	林政佑	中央大學	Wetting Behavior and Bubble Motion on a Nanofiltration Membrane Immersed in Water
13:41   13:51	EP044	0457	余哲瑋	台灣大學	Photocatalytic removal of NO <sub>x</sub> : From reaction pathways to applications in industry
13:52   14:02	EP045	0468	張睿紳	清華大學	Phase diagram determination of thermoelectric Sn-Sb-Se ternary system
14:03   14:13	EP046	0470	汪軒蘭	清華大學	Electrostatic Assembly of Functional Nanoparticles for Biomedical Applications
14:14   14:24	EP047	0474	林濬東	中原大學	Surface PEGylation of Poly(vinylidene fluoride) Membranes for Biofouling Resistance via In-situ Modification Process
14:25   14:35	EP048	0475	林志原	臺灣大學	Blockage of Ionic Current in a Cylindrical Pore by a Charged Nanoparticle
14:35   14:45	EP049	0479	黃世宇	台灣科大	Facile synthesis of graphene quantum dots by microplasma-assisted electrochemistry
<b>14:45 – 15:00 壁報論文參觀與茶敘</b>					
15:00   15:10	EP050	0515	阿芭特	中央大學	Solution-Sheared Organic Thin Film Transistors (OTFTs) Based on DTDSTQ Small Molecules: Effect of Alkyl Side Chain Modification
15:11   15:21	EP051	0547	石祿祥	成功大學	Design and Maintenance of Two Distinct Types of Safety Interlocks in Continuous Processes Topic : Green Chemical Technology and Process System Engineering
15:22   15:32	EP052	0557	呂宜錚	台灣科大	Preparation and Properties of Poly(lactic acid)/Carbon Nanotube-silver Nanocomposite
15:33   15:43	EP053	0581	迪恩	臺灣科大	Graphene Nanoribbons supporting Pt nanoparticles composites for catalytic reduction of 4-nitrophenol to 4-aminophenol
15:44   15:54	EP054	0592	藍鼎閔	中央大學	Ultrasonic Spray Deposition Technique with Two-Step Method for Planar Perovskite Solar Cells
15:55   16:05	EP055	0593	張簡 聿心	中央大學	High-Mobility Zinc Oxide Thin Film Transistor Based on High Dielectric Constant Titanium Oxide/ Silicon Oxide Gate Dielectrics
16:05   16:15	EP056	0612	林芷瑜	中央大學	Organic field effect transistors based on solution-sheared semiconducting small molecule/polymer blends thin film

地點：中央大學 工程一館二樓 E233 教室

時間	報告 編號	論文 編號	姓名	單位	論文題目
09:30   09:40	EP057	0618	陳穎盈	大同大學	High-performance hybrid supercapacitors based on electrodeposited Ni <sub>3</sub> S <sub>2</sub> cathodes
09:41   09:51	EP058	0627	陳俊瑋	台灣科大	Amorphous Metal Oxides Catalysts Containing Molybdenum for Oxygen Evolution Reaction
09:52   10:02	EP059	0628	陳奕叡	臺灣大學	A New Family of High-Performance Ceramic Hollow Fiber Membranes
10:03   10:13	EP060	0652	福安	清華大學	Using Baculovirus-Mediated miR-214 Sponges Switch Osteoporotic ADSCs from Adipogenesis to Osteogenesis for Osteoporotic Bone Defects Repair
10:14   10:24	EP061	0653	李泓	清華大學	CRISPR-Cas9 for the Genome Engineering of Cyanobacteria and Succinate Production
10:25   10:35	EP062	0654	許慕農	清華大學	Baculovirus-engineered Adipose Stem Cell Sheet Persistently Expressing GDNF Enhance Sciatic Nerve Regeneration
10:35   10:45	EP063	0673	日亞尼	成功大學	Synthesis and Self-Assembly of Isosorbide Based Dual-Responsive Organogelators
<b>10:45 – 11:00 壁報論文參觀與茶敘</b>					
11:00   11:10	EP064	0675	云緹	成功大學	Synthesis, Characterization and Self-assembly of Achiral Organogelators and Induced Supramolecular Chirality by Chiral Dopant
11:10   11:20	EP065	0677	林冠宇	台灣大學	Improvement of CO <sub>2</sub> Photoreduction by Coupling Photocatalyst with Hydrophobic Montmorillonite
11:20   11:30	EP066	0695	林睿彥	成功大學	Preparation of Trimethyl Borate from Barium Perborate by Leaching Esterification with Mineral Acids
11:30   11:40	EP067	0705	古庭碩	交通大學	Metabolic engineering of <i>Synechococcus elongatus</i> PCC 7942 for 3HB production
11:40   11:50	EP068	0707	賴建東	交通大學	Metabolic engineering of cyanobacteria for direct butyric acid production from carbon dioxide
11:50   12:00	EP069	0711	王聲峯	成功大學	Specific Functional Protein for Recovery of Gold from Industrial Wastewater
12:00   12:10	EP070	0715	鄧喬乙	成功大學	Graphene Oxide Dots Modified with Nitrogen Functionalities for High Quantum Yields in Excitation-Independent Photoluminescence
12:10   12:20	EP071	0731	陳霸綸	中央大學	Fast and green room temperature synthesis of ZIF-8 under ultrasound