

國立中山大學環境工程研究所
113 學年度第 2 學期「書報討論」課程表

National Sun Yat-Sen University, Institute of Environmental Engineering
Timetable of 113-2 Seminar

114 年 5 月 22 日

日期 date	演講人 speakers	任職單位與職稱 Department/ Position	專 題 演 講 題 目 Topic (畢業論文預講題目) (Student presentations for the pre-defense)	主 持 人 Host
2/19	陳威翔 彭彥彬 陳則綸 邵承宗	教授兼所長 教授 助理教授 博士生	課程說明(Course introduction) 一貫作業煉鋼廠煉焦及燒結製程排放空氣污染物之 指紋特徵及影響 Fingerprints and Influences of Air Pollutants Emitted from Coking and Sintering Processes of an Integrated Steel Mill	陳威翔 彭彥彬 陳則綸 袁中新
2/26	阮青平 Thanh-Binh Nguyen	國立高雄科技大學-水圈 學院水產科技產業博士 班 Ph.D. Program of Aquatic Science and Technology, College of Hydrosphere Science, NKUST 副教授 Associate Professor	基於過氧乙酸的高級氧化技術開發，用於可持續水 體修復 Development of peracetic acid-based advanced oxidation process for sustainable water remediation	施育仁
3/5	林子羿	早稻田大學 早稻田科 學技術研究所 助理研究員	電池回收之生命週期評估 Challenges in Life Cycle Assessment of Battery Recycling	陳則綸
3/12	全校運動會，放假 NSYSU Sports Day, no classes			
3/19	李思禹 Si-Yu Li	國立中興大學化工系 Department of Chemical Engineering, National Chung Hsing University 教授 Professor	微生物驅動的海洋友好材料新紀元 A new era of microbe-enabled marine-friendly materials	張耿峻
3/26	張建祺 Chein-Chi Chang,	美國馬里蘭大學巴爾的 摩郡分校兼任教授/ 美國華盛頓特區水務局 高級工程師	Stormwater Management	高志明
4/2	蕭大智 Ta-Chih Hsiao	國立臺灣大學環境工程 學研究所 Graduate Institute of Environmental Engineering, National Taiwan University 教授	Oxidative Potential and Toxicity of Ultrafine Particles in Urban Area	彭彥彬

		Professor		
4/9	期中考試週，自習 week of midterm, self-study			
4/16	賴威博 Wei-Po Lai	清華大學分析與環境科學研究所 Institute of Analytical and Environmental Sciences, National Tsing Hua University 助理教授 Assistant Professor	Analysis and Removal of Environmental Emerging Contaminants in Aquatic Environments for Sustainable Water Reuse	陳威翔
4/23	楊汶達	國立宜蘭大學環境工程學系 助理教授	台灣碳封存的可行性研究 Feasibility Study of Carbon Sequestration in Taiwan	陳則綸
4/30	潘述元 Shu-Yuan Pan	國立臺灣大學生物環境系統工程學系 Department of Bioenvironmental Systems Engineering, National Taiwan University 副教授 Associate Professor	環境工程能替農業做什麼？ Environronmental engineering in agriculture	林淵淙
5/7	李念潔	碩士生	鋼鐵廠周界PM2.5之化學特徵、時空分佈及污染源解析 Chemical Characteristics, Spatiotemporal Variation, and Source Resolution of PM2.5 at the Boundary of a Steel Manufacturing Plant	袁中新
	許晴晴	碩士生	改質 Au/TiO2 觸媒提升燃煤電廠排氣中 Hg0 及 NOx 去除效率 Enhancing the Removal Efficiencies of Hg0 and NOx in the Flue Gases of Coal-Fired Power Plants with Modified Au/TiO2 Catalysts	
	趙家毅	碩士生	台灣週邊海域東西通道長程傳輸 PM2.5 化學指紋特徵及污染源解析 Chemical Fingerprints and Source Apportionment of PM2.5 Long-Range Transported through East and West Channels Surrounding Taiwan Island	
	黃葆原	碩士生	應用空品模式 WRF-CAMx 模擬不同天氣型態對南高雄空氣品質之影響研究 Investigation on the Influences of Synoptic Weather Patterns on Ambient Air Quality in Southern Kaohsiung Simulated by WRF-CAMx Model	
5/14	林沛瑾	碩士生	紫外光搭配次氯酸同時降解水中結構類似藥品氯苯那敏與多西拉敏以及反應後細胞存活度與有害副產物亞硝胺生成潛勢分析	陳威翔

			Simultaneous degradation of structurally related pharmaceuticals, chlorpheniramine and doxylamine, in wastewater via ultraviolet photolysis coupled with hypochlorous acid, followed by assessment of cytotoxicity and nitrosamine formation potential.	
	周筱芹	碩士生	利用海藻酸鈉結合不同碳材料進行固定化技術提升部分自營脫硝生物處理效能之探討 Improving the N removal efficiency of completely autotrophic denitrification using biological immobilization technology with sodium alginate combined with different carbon materials.	
	王昵嬪	碩士生	氧化石墨烯複合四氧化三鐵與不同氧化劑結合電化學處理技術去除水中乙醯胺酚與鹵乙醯胺生成潛勢分析 Removal of acetaminophen and formation potential of haloacetamides by electrochemical treatment technology using graphene oxide-iron oxide composite and different oxidizing agents	
	黃彥拓	碩士生	柴油污染土壤之空氣污染物逸散特徵及碳排放調查研究 Study on Characteristics of Air Pollutant and Carbon emission from Diesel-contaminated soil.	彭彥彬
	吳易軒	碩士生	超級柴油、甲種漁船用油及船用重油之污染排放特徵探討 Emission Characteristics of Fuels with Different Sulfur Contents.	
	柯致宇	碩士生	以三氧化鎢負載二氧化鈦奈米管陣列光催化降解半導體產業常見之揮發性有機化合物 Photocatalytic Degradation of Common Volatile Organic Compounds in the Semiconductor Industry Using Tungsten Trioxide-Loaded Titanium Dioxide Nanotube.	
5/21	113 學年度第 2 學期教學意見調查 (Teaching opinion survey)			
	林勝飛	碩士生	以對苯二甲酸銅Cu-BDC/PVP燒製富銅奈米碳片電極(CuCNS)感測氯黴素、乙醯胺酚及二甲雙胍 Pyrolysis of Cu-BDC/PVP as Cu-enriched carbon nanosheets (CuCNS) for electrochemical detection of chloramphenicol, acetaminophen, and metformin	施育仁
	王喬鈺	碩士生	雙金屬對苯二甲酸製備衍生中孔性碳包埋Cu/Fe奈米叢電極電化學還原硝酸鹽氮 Bimetal BDC/PVP-derived Cu/Fe nanoclusters embedded in mesoporous carbon for electrochemical nitrate reduction	
	林家丞	碩士生	以鎳鎢合金觸媒轉化生物質為 1,2-乙二醇之最佳條件研究 Study on the Optimal Conditions for Biomass Conversion to 1,2-Ethylene Glycol Using Nickel-Tungsten Alloy Catalysts	張耿峻
	黃渤歲	碩士生	研究生物滴濾塔中載體材料性質對微生物群落結構與揮發性有機物去除效率之影響	

			Effects of Carrier Material Properties on Microbial Community Structure and VOC Removal Efficiency in Biotrickling Filters	
	張惠君	碩士生	結合綠色液化廢棄竹材與生質基塑化劑製備複合材料之研究 Research on Composite Materials Combining Green Liquefaction of Waste Bamboo and Bio-Based Plasticizers	
	鄧采綾	博士生	以磺化固體酸催化劑及離子液體雙相系統轉化農業廢棄物生成5-羥甲基糠醛之研究 A Study on the Conversion of Agricultural Waste to 5-Hydroxymethylfurfural via Sulfonated Solid Acid Catalysts and Biphasic Ionic Liquid Systems	
5/28	詹凱翔	碩士生	研發注入式電荷靜電過濾技術去除廢潤滑油中之重金屬 Develop injection electrostatic oil filtration technology to remove heavy metals from waste lubricating oil	林淵淙
	陳致宇	碩士生	應用鹼熱法結合鎳改質白雲石觸媒提升產氫效率與碳捕捉以達淨零碳排 The alkaline thermal method is combined with a nickel-modified dolomite catalyst to improve hydrogen production efficiency and achieve carbon capture to achieve net-zero carbon emissions	
	蕭千華	碩士生	研發微波雙相系統將農業廢棄物轉化為5-HMF並結合自製金屬觸媒進行氫解氫化反應生成2,5-DMF以達淨零碳排之目標 Developing a microwave-assisted biphasic system to convert agricultural waste into 5-HMF, combined with a self-made metal catalyst for hydrogenolysis and hydrogenation reactions to produce 2,5-DMF, aiming to achieve net-zero carbon emissions	
	林佩雯	碩士生	植生復育下不同施作方式對重金屬污染土壤中有機碳型態分佈影響 Effects of Different Supplement Additions on the Distribution Patterns of Soil Organic Carbon in Heavy Metal-Contaminated Soils Using Phytoremediation as a Remedial Method	高志明
	郭書伶	碩士生	開發結合增溶、脫附及氧化機制之TPH污染土壤整治技術 Development of a TPH-contaminated soil remediation technology combining solubilization, desorption, and oxidation mechanisms	
	吳怡岑	碩士生	甲烷氧化菌Methylomonas sp. 之甲烷分解能力評估與強化高值化副產物生成之研究 Evaluation of the Methane Decomposition Capability of Methanotrophic Bacteria (Methylomonas sp.) and Methods for Enhancing High-Value By-Product Production	
	余英良	博士生	以轉爐石改質衍生材料進行地下水整治：針對不同污染物應用於活化三氯乙烯降解與氟化物兩階段去除 BOF Slag-Derived Materials for Groundwater Remediation: Pollutant-Specific Modifications for	

			Activation of TCE Degradation and Two-Stage Fluoride Removal	
6/4	期末考試週，自習 week of final-term, self-study			
6/11	彭詩雯	博士生	過氧化氫與過硫酸鹽對應用含鐵與氧化石墨烯複合材料高級處理技術去除水中高使用量藥品乙醯胺酚及有害副產物鹵乙醯胺生成潛勢之研究 Influences of hydrogen peroxide and persulfate on iron oxide-graphene oxide composite in advanced oxidation processes for acetaminophen removal and haloacetamide formation potential	陳威翔
	Iresha	博士生	Biodegradation of methylbenzylamine and dimethylbenzylamine and evaluation of nitrosamine formation during subsequent chloramination for water reuse	
	林雅虹	博士生	以細胞實驗量化空氣及環境水體污染之危害性並探討空污因子對氣候變遷的影響 Quantifying the hazards of the air and environmental water pollutions through cellular experiments and exploring the impacts of air pollution factors on climate change	
	鄭吉仁	博士生	以還原氧化石墨烯(rGO)建構 S 型異質節光熱觸媒同步提升光熱催化去除燃煤電廠廢氣中 Hg0 與 NO 之效率 Enhancing Simultaneous Removal Efficiency of Hg0 and NO Emitted from Coal-Fired Power Plants with S-scheme Heterojunction Photothermal Catalyst Doped with Reduced Graphene Oxide (rGO)	袁中新
	Amila	博士生	From Pollutant Degradation to Clean Energy: Explore MOF/COF Hybrids and TNA-MOF/COF Photoelectrochemical Systems.	彭彥彬
	陳韋廷	博士生	開發智能演算法解析 TPH 污染土壤生物整治影響因子及成效預測模型構建 Development of Intelligent Algorithms for Analyzing Influencing Factors and Constructing Performance Predictive Models of Bioremediation of Petroleum-hydrocarbons Contaminated Soils	高志明
	張智豪	博士生	Ferrite-based heterojunctions for simultaneous organic pollutant oxidation and chemical production in photoelectrochemical system	施育仁
6/18	彈性上課 Flexible learning week			

註：1. 上課時間：下午 2:10；上課地點：環工大樓(A 棟)四樓 4024 教室。

2. 上課內容如有變更，以更新的通告為準。

3. 連絡人：黃資軒，電話：(07)5252000 轉 4401，E-mail：amyhuang@mail.nsysu.edu.tw。