

國立中山大學環境工程研究所  
111 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 111-2 Seminar

112 年 2 月 20 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
2/15	袁中新 施育仁  賴嘉祥	教授兼所長 副教授  國立虎尾科技 大學生物科技 系 教授	課程說明(Course introduction)  以無人機與微型感測器評估船舶排氣對港區大氣污染物濃度 影響及減量效益 Impact and effective reduction of ship exhaust on air pollutants in the port area determined by unmanned aerial vehicles with microsensors	袁中新 施育仁
2/22	翁瑞鋒 Dr. Roy Weng	卡米爾股份有 限公司 Cameo Inc. 技術長 CTO	從智慧治理到永續發展 - 以空氣物聯網數據與智慧分析啟發 永續環境之探討 From Regulation to ESG - Air IoT data & AI analysis Solutions for Environmental Sustainability	袁中新
3/1	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 National Kaohsiung University of Science & Technology 助理教授 Assistant Professor	藻類生物炭應用於水處理的最新研究進展 Recent Development of Algal Biochar for Water Treatment	施育仁
3/6	Arthur Haubenstock	Bloom Energy Corporation Vice President for Regulatory Law	<b>Environmental Law/Policy &amp; Energy Markets</b>  *美國在臺協會(AIT)特邀專家 日期：3 月 6 日(星期一) 14:00~15:30 地點：電資大樓工 EC1009(暫定) *Invited expert from American Institute in Taiwan (AIT) Date: March 6 (Monday) 14:00~15:30 Location: EC1009 (Tentative)	待定
3/8	高立誠 Li Cheng Kao	國立成功大學 資源工程學系 Department of Resources Engineering, National	以先進且策略性手段將加速器光源分析方法應用於地球和環 境科學 Opportunities for Synchrotron-Based Investigations in the Earth and Environment Sciences to Advance Strategic Science Areas	彭彥彬

		Cheng Kung University 助理教授 Assistant Professor		
3/15	黃良銘	國立成功大學 環境工程學系 教授	未來廢水生物處理系統的必備工具 The tools for future biological wastewater treatment processes	陳威翔
3/22	江誠榮 Chian, Chen-Rong	台旭環境科技 中心股份有限公司 Taiwan-Asahi Environment Technology CO., LTD 董事長 President	恆久持續卓越 Enduring Greatness of Business	高志明
3/29	陳志傑 Chih-Chieh Chen	國立台灣大學 公衛學院環境 與職業健康科 學研究所 Institute of Environmental and Occupational Health Science 教授 Professor	Engineering Infection Control for COVID-19	袁中新
4/5	<b>民族掃墓節，放假 Tomb-Sweeping Day (National Holiday), no classes</b>			
4/12	<b>期中考試週，自習 week of midterm, self-study</b>			
4/19	陳奕君 Yi-Chun Chen	中興大學森林 學系 Department of Forestry, National Chung Hsing University 副教授 Associate Professor	生質材料發展與智慧應用 Development and intelligence applications of bio-based materials	張耿峻
4/26	顏柏軒	博士生	海洋細氣膠微粒指紋特徵及台灣島東側通道長程傳輸至南海 海域之探討 Investigation on Chemical Fingerprints of Marine Fine Aerosol Particles Long-range Transported toward the South China Sea through Easterly Channel of Taiwan Island	袁中新
	曾佑綸	博士生	高雄港區PM2.5指紋特徵與排放源解析及其對周邊地區粒狀 空氣品質之影響	

			Fingerprints and Source Apportionment of PM <sub>2.5</sub> in Kaohsiung Harbor and Its Effects on Particulate Air Quality in Neighboring Areas	
	戴佩雅 Thakshila Nadeeshani Dharmapriya	博士生 Ph.D. Student	Comparison of homogeneous and heterogeneous catalysts towards biofuel generation and valorization of by-products	張耿峻
5/3	蔡子揚	碩士生	以還原氧化石墨烯(rGO)改質Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> 光熱觸媒提升燃煤電廠排氣中Hg <sup>0</sup> 與NO複合光熱催化效率 Enhancing the Photocatalytic Efficiency of Hg <sup>0</sup> and NO in Flue Gases Emitted from Coal-Fired Power Plants with Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> Modified by Reduced Graphene Oxide	袁中新
	黃子祐	碩士生	東沙地區PM <sub>2.5</sub> 濃度日夜變化、指紋特徵及污染源解析:連續三年量測數據 Diurnal Variation, Chemical Fingerprints, and Source Resolution of PM <sub>2.5</sub> in the Dongsha Islands Based on Three-Year Field Measurement Data	
	杜宜潔	碩士生	高雄港區及市區大氣汞時空變化趨勢、型態特徵分析及交互傳輸探討 Spatiotemporal Variation and Speciation of Atmospheric Mercury Transport between Kaohsiung Harbor and Urban Area	
5/10	侯閔鈞	碩士生	厭氧反應串聯亞硝酸鹽完全自營脫氮處理廢水中碳氮濃度及降解乙醯胺酚 Anaerobic reaction coupled with completely autotrophic nitrogen removal over nitrite for removal of carbon and nitrogen and degradation of acetaminophen in wastewater	陳威翔
	王建忠	碩士生	開發系列深共熔溶劑系統轉化紙類廢棄物為塑膠原料 Development of DES Systems for Converting Waste Paper to Raw Material of Plastic	高志明
	林哲弘	碩士生	應用液膜微萃取去除水中酚類物質之研究 Study of Phenolics Removal in Water Using Liquid Membrane Microextraction	張耿峻
	湯舜涵	碩士生	氨基共價有機框架之合成及其吸附應用 Synthesis of Amino-based Covalent Organic Framework and its adsorption behavior.	彭彥彬
	簡伯諺	碩士生	南臺灣工業區周界大氣有害空氣污染物與懸浮微粒之特徵及貢獻來源 Characterizations and contribution sources of hazardous air pollutants (HAPs) and suspended particulates (PMs) in the ambient air of Industrial zone in southern Taiwan	彭彥彬
	陳妍如	碩士生	船舶排氣特徵及排放係數建立之研究 Study on the Characteristics of Ship Exhaust and the Establishment of Emission Factors	
	<b>111 學年度第 2 學期教學意見調查 (Teaching opinion survey)</b>			
5/17	何懿純	碩士生	鋅銅與鋅錫雙金屬電極電解還原硝酸鹽氮與選擇性生成氨氮 Electrochemical denitrification over bimetallic ZnCu and ZnSn electrodes as to selectively produce ammonia	施育仁
	林聖凱	碩士生	還原氧化石墨烯包覆沸石咪唑框架衍生高孔性碳電極電感測乙醯胺酚 Zeolite imidazole framework-derived porous carbon encapsulated in reduced graphene oxide as electrochemical sensor of acetaminophen	

	羅健彰	碩士生	2-氨基對苯二甲酸框架衍生氧化鎳摻氮碳(NiO <sub>x</sub> /NC)電極進行電催化氧化氨氮 Framework of 2-aminoterephthalic acid-derived nickel oxide and N-doped carbon (NiO <sub>x</sub> /NC) for electrocatalytic oxidation of ammonia	
	姜博智	碩士生	研發廢油製備綠色乳化油之循環經濟技術開發與實廠燃燒效益評估研究 Circular economy technology development and actual plant combustion benefit evaluation research on the preparation of green emulsified oil from waste oil	
	劉宥彬	碩士生	研發廢潤滑油製備高值化活性碳以提升揮發性有機物之去除效率 Research and development of waste lubricating oil to prepare high-value activated carbon to improve the removal efficiency of volatile organic compounds	林淵淙
	宋侑威	碩士生	研發鐵錳改質中孔徑矽分子篩觸媒以提升煙道廢氣中氮氧化物去除效率 Research and development of iron-manganese modified silicon molecular sieve catalyst to improve the removal efficiency of nitrogen oxides in flue gas	
5/24	陳宥竹	碩士生	以分子生物技術評估生物整治甲漁油污染土壤之菌群交互變化 Application of molecular biotechnology to evaluate the effectiveness of bioremediation processes on the variations and interactions in microbial diversity in fishing boat fuel contaminated soils	高志明
	廖恩琪	碩士生	以複合界面活性劑增溶機制強化風化柴油污染土壤之生物復育成效 Bioremediation of weathered diesel oil contaminated soils with an enhanced dissolution process using a hybrid surfactant	
	黃炫豪	碩士生	以生物可降解之複合界面活性劑整治風化柴油污染土壤 Application of biodegradable hybrid surfactants to remediate weathered diesel oil contaminated soils	
	鐘鐸濱	碩士生	以界面活性劑增溶及過硫酸鹽氧化整治風化柴油污染土壤 Remediation of weathered diesel oil contaminated soils using surfactant enhanced dissolution followed by persulfate oxidation	
	陳柏沂	碩士生	固體酸觸媒結合雙相反應系統轉化生物質為平台化學品 Conversion of biomass to platform chemical by solid acid catalyst combined with biphasic reaction system	
	黃彥儒	碩士生	以金屬觸媒輔助低溫電漿系統轉化二氧化碳 Conversion of carbon dioxide in a Non-thermal plasma system assisted by metal catalyst	張耿峻
5/31	期末考試週，自習 week of final-term, self-study			
6/7	何明全	博士生	最大使用量藥品二甲雙胍對乙醯胺酚生成有害副產物鹵乙醯胺之影響以及對應石墨烯複合材料電化學處理技術開發 Effect of metformin on formation of haloacetamide from acetaminophen and the associated electrochemical treatment technology using graphene oxide-containing composite	陳威翔
	吳至倫	博士生	調控金屬電極結晶特徵與形貌對電解還原硝酸氮與過氧酸離子的影響	施育仁

		Effects of tuning crystal characteristics and morphology of metallic electrode on electrochemical reduction of nitrate and perchlorate ions	
6/14	<b>彈性上課 Flexible learning week</b>		

- 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。