

國際技術研討會

塑膠循環與生質永續材料

International Conference- Plastic Recycling & Bio-based Sustainable Materials



指導單位：經濟部產業技術司 
Advisor Department of Industrial Technology, MOEA

執行單位：工研院材化所  工業技術研究院
Organizer ITRI Material and Chemical Research Laboratories, ITRI MCL

台灣生質與永續材料產業協會 
Association of Taiwan Bio-based and Sustainable Material Industry, TBSM

前言

在淨零碳排的目標下，COP28承諾將轉型脫離所有化石燃料，透過經濟部科技專案「石化產業鏈淨零碳排創新材料及製程技術計畫」，工研院材化所開發廢塑膠轉化為輕油或解鏈為單體技術，期待協助國內產業掌握循環料源關鍵製程。此外，生質基材料具有低碳甚至可能為負碳的特點，此永續綠色材料發展也成了企業新趨勢。據此，特舉辦「塑膠循環與生質永續材料技術研討會」，透過計畫執行同仁的分享及邀請國外專家與業者共同交流，共同推動國內在循環與永續材料的發展。

*名稱：塑膠循環與生質永續材料國際技術研討會

*時間：2024/9/25(三) 13:00~17:00

*地點：工研院光復院區1館802會議室

(新竹市東區光復路二段321號)



Background

Under the goal of achieving net zero carbon emissions, COP28 promises to transition away from fossil fuels. Through the MOEA's project "Innovative Materials and Process Technology for Net Zero Carbon Emission in the Petrochemical Industry Chain," ITRI MCL have developed technologies to convert waste plastics into light oil or depolymerize them into monomers. To help the domestic industry have key processes for circular material. Additionally, bio-based materials have the characteristics of being low-carbon or even carbon-negative, making these sustainable green materials a new trend. Therefore, we host the Technologies Seminar, "Plastic Recycling & Bio-based Sustainable Materials," where MCL members, international experts will share relative topics. Promoting the development of circular and sustainable materials domestically.

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*Date/Time : 2024/9/25(三) 13:00~17:00

*Place : No. 321, Sec. 2, Kuang Fu Rd., Hsinchu (Building 1, Room 802)



Agenda

Time	Item	Speaker	Topic	Host
13:00 ~ 13:30	Registration			
13:30 ~ 13:40	Opening			
13:40 ~ 14:20	Lecture 1	University of Toyama Prof.Tsubaki	New Reaction and New Catalyst for CO ₂ Conversion	ITRI MCL Shu-Chuan Huang Deputy Divison Director of Chemical Engineering
14:20 ~ 14:50	Lecture 2	ITRI ISIT Chih-Chiang Chang Manager	International Plastic Chemical Recycling Development	
14:50 ~ 15:00	Discussion			
15:00 ~ 15:30	Tea Break			
15:30 ~ 16:10	Lecture 3	AIST Dr.KURAMOTO Koji	Biomass Gasification Technology	ITRI MCL Shu-Chuan Huang Deputy Divison Director of Chemical Engineering
16:10 ~ 16:50	Lecture 4	AIST Dr.Takehisa Mochizuki	Production Technology of Biodiesel and its Upgrading	
16:50 ~ 17:00	Discussion			

※ The organizer reserves the right to make changes



Transportation



抵達高鐵新竹站，再轉搭計程車(約30 min)，進入 工研院光復院區。

1館802會議室

Arrive at Hsinchu High Speed Rail Station, then take a taxi (about 30 minutes) and enter the Kuang Fu Campus of ITRI.

Bulding 1, Roon 802

