

醫工科 Biomedical Engineering	October 19, 2024 (Sat) Room South Lounge/南軒 3F
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Symposium: 創新超音波診斷與治療技術 Innovative ultrasound diagnostic and therapeutic technologies
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內容簡述: This session focuses on the recent advancement of diagnostic and therapeutic ultrasound, including basic science studies, AI clinical translation, high frequency imaging, and ultrafast Doppler and wireless devices.
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時間 Time	演講題目 Topics	演講者 Speaker
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Moderator: 李百祺 Pai-Chi Li 台灣大學電子工程學系

14:00-14:20 BI-01	Acoustic Vortex for Confining and Enhancing Light Fluence	葉秩光 Chih-Kuang Yeh 清華大學醫環系
14:20-14:40 BI-02	High Frequency Ultrasound Imaging for Hand Tendon Diagnosis	黃執中 Chih-Chung Huang 成功大學醫工系
14:40-15:00 BI-03	Artificial Intelligence-assisted Prognosis Prediction of Perineural Dextrose Injection in Carpal Tunnel Syndrome Using Dynamic Ultrasonography	郭柏齡 Po-Ling Kuo 台灣大學電機系
15:00-15:20 BI-04	Wireless Capsule Endoscopy in Clinical Diagnosis Applications	巫建興 Jian-Xing Wu 勤益科大電機系
15:20-15:40	Coffee Break	
15:40-16:00 BI-05	Fundamentals and Clinical Applications of Ultrafast Doppler	賴國隆 Kuo-Lung Lai 台中榮民總醫院風濕免疫科
16:00-16:20 BI-06	Emerging Ultrasound Technologies in Anesthesiology and Pain Medicine	謝承原 Cheng Yuan Hsieh 臺大醫院麻醉部
16:20-16:40 BI-07	Quality Assurance of Ultrasound Systems: QA Guidelines and QA Implementation Experience in CCH	施志杰 Chih-Chieh Shih 彰化基督教醫院醫工課

Poster

編號 No.	題目 Topic	作者 Author
BI-P01	Point-of-Care Ultrasound for Diagnosing B Cell Lymphoma in the Chest Cavit	廖琪君 Chi Chun Liao 秀傳醫療社團法人秀傳紀念醫院