

Symposium: 創新超音波診斷與治療技術

Innovative Ultrasound Diagnostic and Therapeutic Technologies

This session focuses on the recent advancement in medical ultrasound, including both diagnostic and therapeutic applications.

| 時間 Time | 演講題目 Topic | 演講者 Speaker |
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Moderator: 李百祺 Pai-Chi Li 臺灣大學電機系

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| 14:00-14:20 BI-S01 | Vector Flow Imaging Using Speckle-tracking-based Correlation-weighted Least Squares | 鄭耿璽 Geng-Shi Jeng 陽明交通大學電子系 |
| 14:20-14:40 BI-S02 | The Application of Speckle Tracking to Time-intensity Analysis for Contrast-enhanced Harmonic Endoscopic Ultrasound Imaging | 陳冠至 Kuan-Chih Chen 亞東醫院內科 |
| 14:40-15:00 BI-S03 | Vortex Ultrasound in Theranostics | 葉秩光 Chih-Kuang Yeh 清華大學醫環系 |
| 15:00-15:20 BI-S04 | Molecular Mechanisms of Ultrasound-mediated Microbubble Cavitation for Enhancing the Permeability of Human Keratinocytes and Skin | 廖愛禾 Ai-Ho Liao 臺灣科技大學生醫工程所 |
| 15:20-15:40 | Coffee Break | |
| 15:40-16:00 BI-I01 | Blood Mimicking fluid Properties Using Doppler Ultrasound Applications | Ammar Oglat The Hashemite University |
| 16:00-16:20 BI-S05 | Technological Review and Clinical Application Strategy of Focused Ultrasound Induced Blood-brain Barrier Opening | 劉浩澧 Hao-Li Liu 臺灣大學電機系 |
| 16:20-16:40 BI-S06 | High Frequency Ultrasound Blood Flow Imaging for Human Hand Tendon | 黃執中 Chih-Chung Huang 成功大學醫工系 |
| 16:40-17:00 BI-S07 | Functional Ultrasound Neuro-imaging: Insights into Ischemic Stroke | 謝寶育 Bao-Yu Hsieh 長庚大學醫學影像暨放射科學系 |

ePoster

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| BI-P01 | Deep Learning for Automatic Segmentation of Synovium on Wrist Ultrasound Images | 賴國隆 Kuo-Lung Lai 臺中榮民總醫院過敏免疫風濕科 |
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