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| <b>Session Title:</b> | <b>[Th1A] Imaging with Deep Learning</b> |
| <b>Session Date:</b>  | <b>August 8 (Thu.), 2024</b>             |
| <b>Session Time:</b>  | <b>11:00-12:30</b>                       |
| <b>Session Room:</b>  | <b>Room A (102-103)</b>                  |
| <b>Session Chairs</b> | <b>TBA</b>                               |

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| <b>[Th1A-1] [Invited]</b> | <b>11:00-11:30</b> |
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| <b>[Th1A-2]</b> | <b>11:30-11:45</b> |
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**U<sup>2</sup>-Net Architecture Contingent Intelligent Depth Map Extraction Method Using Light Field Images**

F M Fahmid Hossain, Shariar Md Imtiaz, Md. Biddut Hossain, Hui-Ying Wu, Ki-Chul Kwon (Chungbuk Nat'l Univ., Korea), Kwon-Yeon Lee (Sunchon Nat'l Univ., Korea), and Nam Kim (Chungbuk Nat'l Univ., Korea)

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| <b>[Th1A-3]</b> | <b>11:45-12:00</b> |
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**Noise-resilient Ptychographic Imaging with Deep Learning**

Han Yue, Yun Xie (Fudan Univ., China), Xin Lou (ShanghaiTech Univ., China), Jun Cheng (Inst. for Infocomm Research, A\*STAR, Singapore), Yu-Xuan Ren (Fudan Univ., China), and Feng Shu (The Univ. of Sydney, Australia)

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| <b>[Th1A-4]</b> | <b>12:00-12:15</b> |
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**Identification of Early Mycosis Fungoides by Hyperspectral Imaging**

Hong-Thai Nguyen Arvind Mukundan, Riya Karmakar, Yu-Ming Tsao, Song-Cun Lu, and Hsiang-Wang Cheng (Nat'l Chung Cheng Univ., Taiwan)

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| <b>[Th1A-5]</b> | <b>12:15-12:30</b> |
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**Learning-Based Vein Image Segmentation under Variable Ambient Lighting Conditions and Sensor Noise**

Satya Prasanna Mallick, Prasanth Tata, Shubham Makwana (Indian Inst. of Tech, Hyderabad, India), Ram Gopal (Tata Inst. of Fundamental Research Hyderabad, India), and Vandana Sharma (Indian Inst. of Tech, Hyderabad, India)