

## INTRODUCTION TO LIM FROM THE SERIES AND GENERAL CHAIRS

### WELCOME TO THE LONDON IMAGING MEETING (LIM) 2024

The 5th London Imaging Meeting (LIM), a collaboration between the Society of Imaging Science and Technology (IS&T) and the Institute of Physics (IoP), took place at the IoP in London from June 26th to 28th, 2024. LIM is an annual conference dedicated to the future of imaging science. The theme for 2024, "Image Capture: From Photons to Photos," brought together innovators, researchers, industry professionals, and academicians and explored all aspects of how physical scene radiance maps to pixel intensities.

The first day featured a summer school focused on imaging, with four insightful talks on the Geometry of Color Spaces, Camera Pipelines, Underwater Imaging, and Deep Learning for Image Enhancement.

The main conference offered a rich program, including three keynote talks on Spectral Imaging, Quantum Imaging for Biological Sciences, and Thinking Like a Photographer. Additionally, there were four focal speakers, 16 oral presentations, eight interactive posters, and 12 late-breaking posters. The conference provided ample time for networking and discussions about the future of imaging science research.

A broad range of topics was covered, particularly image capture, analysis, manipulation, and encoding. Lively discussions occurred during Q&A sessions, coffee and lunch breaks, and poster sessions.

LIM 2024 showcased the diversity and vibrancy of researchers working on all aspects of imaging. The proceedings highlight many significant current topics, featuring work from established and emerging researchers. This diversity is a testament to the inclusive and vibrant community of imaging science professionals. Of particular note is the Best Paper award winner from Fereshteh Mirjalili and Giuseppe Claudio Guarnera titled "A Neural Approach for Skin Spectral Reconstruction."

While significant strides have been made in imaging capture, manipulation, and encoding technologies, many challenging topics remain to be explored. We hope these proceedings will inspire and fuel ongoing discussions and research in the field, motivating us all to push the boundaries of imaging science. We look forward to seeing you at future meetings.

—Michael S. Brown and Chaker Larabi, LIM 2024 Conference Chairs, and Graham D. Finlayson, LIM Series Chair

