LIM Technical Program2025

TUESDAY 9 SEPTEMBER 2025

9:00 – 9:30 REGISTRATION OPEN / WELCOME COFFEE

9:30 – 10:30 WELCOME AND OPENING KEYNOTE

LIM General Chairs: Graham Finlayson, University of East Anglia and Javier Vázquez Corral, Computer Vision Center and Universitat Autonoma de Barcelona

General Co-chairs: Sophie Jost, ENTPE and Jon Hardeberg, NTNU

The Convergence of Lighting and Imaging

Michael Murdoch, Rochester Institute of Technology

10:30 – 11:00 COFFEE BREAK

11:00 - 12:00 VISION SESSION

Focal chair: Rafal Mantiuk, University of Cambridge

FOCAL 1: Individualized colorimetry for correcting observer metamerism failures in narrow band display and lighting.

Andrew Stockman, Institute of Ophthalmology University College London

Session chair: Andrew Stockman

Modelling the phantom array from the spatial waveform on the retina

Chan-Su Lee, Yeungnam University

Gauss-Seidel Retinex

Afsaneh Karami, University of East Anglia

12:00-12:30 PRESENTED POSTERS

Session chair: Jane Li, ENTPE

Towards Smarter University Digital Twins: A Real-Time Rendering Pipeline for Street-Lighting

Ghassen Ben Hnia, Toulouse University

Architecture as a communicative medium: the role of media facades and dynamic lighting in contemporary public spaces

Çiçek GEZGEN Hatay Mustafa Kemal University

RTI beyond relighting: Image analysis for archaeological Oseberg textiles

Muhammad Arsalan Khawaja, NTNU

Fast Spectral Data Simulation from srgb Images Using K-Dimensional Search Trees

Aiman Raza, ENTPE

Convexity and the set of Planckian lights

Elaheh Daneshvar, University of East Anglia

Joint estimation of spectral illuminant and reflectance from an RGB image

Rafal Mantiuk, University of Cambridge

Noise-Aware Encoder Training and Specialized Denoiser for Efficient JPEG AI Compression and Denoising Abdellah EL MENNAOUI, EURECOM

Perceived food quality under metameric vs. Chromatic illumination changes

Ilgin Cebioglu, Newcastle University

Tuning light to make fruit look natural: Memory colours, metamers and illumination modulation Yesesvi Konakanchi, University of Sussex

Improved Rendering of Car Paint Sparkle with Random Tiling Approach

Benjamin Lanfer, BASF Coatings

12:30-13:30 LUNCH BREAK

13:30 - 14:30 MEASUREMENT SESSION

Focal chair: Jon Hardeberg, NTNU

FOCAL 2: Metrological challenges in HDR imaging for luminance measurement

Lou Gevaux, LNE - Conservatoire National des Arts et Métier

Session chair: Lou Gevaux

Physical and perceptual measurements of temporal dynamics in natural daylight

Cehao Yu, Newcastle University

In situ spectral glazing transmittance estimation from a single image picture using neural network approach.

Raphaël Labayrade, ENTPE

14:30 - 15:00 COFFEE BREAK

15:00 - 16:00 RELIGHTING AND TONE MAPPING SESSION

Focal chair: Alexandra Psarrou, Westminster University

FOCAL 3: Object Color Relighting with Progressively Decreasing Information

Raimondo Schettini, University of Milano Bicocca

Session Chair: Raimondo Schettini

A Color Preserving Tone Mapping Framework in the Intrinsic Domain

Simone Melcarne, EUROCOM

Semantic Aware Diffusion Inverse Tone Mapping

Abhishek Goswami, Warwick University

16:00-19:00 POSTER SESSION FOLLOWED BY DRINKS AND PIZZA

WEDNESDAY 10 SEPTEMBER 2025

9:00-10:00 KEY NOTE

Session chairs: General Co-chairs Sophie Jost, ENTPE and Jon Hardeberg, NTNU

Reluctantly starting a hyperspectral camera company: a guide to the terrors of the startup world

Robin Wang, Living Optics

10:00- 10:30 LATE BREAKING POSTERS

Session chair: Aiman Raza, ENTPE

Region-Based SSC Prediction in the Interior of Kiwifruit via Hyperspectral Imaging and Chemometrics Jobin Francis, Fraunhofer Institute for Computer Graphics and Research IGD

The Leeds Garment Image Database: linking material appearance to visual and tactile perceptions Molly Talbot, University of Leeds

Evaluating Preference for Images Enhanced with Simple Tone Curves

James Bennett, University of East Anglia

Evaluating Visual Thresholds of Flicker Metrics: A Pilot Study Within the TWINKLE Project Jiaye Li, ENTPE

Computational Analysis of Real-World Eye-Level Light Exposure through Spectacle Lenses Emmanuel-Kobia Acquah, Transitions Optical

Modeling specular goniochromatic materials using near-specular and diffuse reflectance Bita Panahi, NTNU

Unique Hue under Wide Colour Gamut for Colour Appearance Modelling Xinyi Zhao, University of Leeds

Validation of Individual Observer Colour Matching Functions with Narrowband Stimuli Jiaye Li, ENTPE

Effects of Tinted Lenses on Perception of Natural Scenes

Elisa Dessenne, ENTPE

Evaluation of Viewer Preferences for Ultra-Wide Color Gamut Displays

Farnaz Agahian, Samsung

Is your perceived white influenced by the display-specific characteristics of your phone? Yesesvi Konakanchi, University of Sussex

10:30- 11:30 COFEE AND POSTER SESSION

11:30-12:30 COLOUR AND SPECTRA SESSION

Focal chair: Michael Murdoch, RIT

FOCAL 5: How to define physically a color for non-uniform surfaces?

Hermine Chatoux, University of Bourgogne Europe

Session chair: Hermine Chatoux

Metamer Mismatch Bodies: Foundations, Methods, and Applications in Color Science

Alexander Forsythe, Simon Fraser University

Colour Corrected Smoothest Reflectance Estimation

Author: Violet Mayne University of East Anglia

12:30- 14:00 LUNCH BREAK

14:00-15:00 LIGHT AND IMAGES SESSION

Focal chair: Raphaël Labayrade, ENTPE

FOCAL 4: Lighting Beneath the Surface: Spectral and Polarised Cues for Next-Generation Facial Imaging

Giuseppe Claudio Guarnera, Department of Computer Science, University of York

Session chair: Giuseppe Claudio Guarnera

On the fair use of the ColorChecker dataset for illuminant estimation

Simone Bianco, University of Milano

A Neural Quality Metric for BRDF Models

Behnaz Kavoosighafi, Linköping University

15:00-15:30 COFFEE BREAK

15:30-16:30 CLOSING KEYNOTE

Session chairs: General Co-chairs Sophie Jost, ENTPE and Jon Hardeberg, NTNU

Does perceiving the illumination have anything to do with colour constancy? Anya Hurlbert, Newcastle University

16:30-17:00 BEST PAPER AWARD AND CLOSING