

EDMUND OPTICS®

Innovation S u m m i t

Defining the Future of Imaging

July 6th, 2021 | 12:00 BST

AGENDA JULY 6, 2021 >> 12:00 – 16:00 BST

12:05 >> KEYNOTE : SENSOR TECHNOLOGY & THE FUTURE

Matthias Sonder from Teledyne DALSA will be presenting on “Sensors Today & Tomorrow” and discuss how current sensor technology trends are affecting imaging as an industry.

12:40 >> IMAGING FUNDAMENTALS RECAP

Nick Sischka invites you to a lab session in which he reviews learnings and take aways from previous summits setting the stage for today's edition.

13:00 >> BREAK

13:15 >> WHAT MAKES AN IDEAL PIXEL SIZE

This lab session again hosted by Nick Sischka addresses the ideal pixel sizes. Aside presenting hands-on tips, going through equations and real demonstration, Nick will be discussing with Katie Schwertz, Senior Optical Designer at Edmund Optics, what it takes to create the perfect design.

13:45 >> ADVANCED SYSTEM-LEVEL CONSIDERATIONS

The third lab session of the day talks about selective vignetting, pixel count/orthogonality, flatness, microlenses; tip/tilt and focus issues. Mary Turner, Technical Fellow Optical Design at Edmund Optics will support Nick Sischka as a guest speaker sharing her thoughts and experiences in that field.

14:15 >> BREAK

14:30 >> TAKING YOUR LENS BEYOND ITS SPEC SHEET

In the final lab session of the day, Nick Sischka supported by Jeremy Govier, Principal Engineer at Edmund Optics, will be alluding how to optimize the interplay between cameras and lenses leading in a performance beyond the spec sheets' boundaries.

15:00 >> CLOSING THOUGHTS: THE FUTURE OF IMAGING

Greg Hollows, Edmund Optics' well-known imaging veteran, takes you on an exciting journey into the trends and innovations enabled by new advancements in imaging – a real inspiration for future developments.

15:30 >> Q&A – VIRTUAL BREAK OUT SESSIONS

Get the answers to your questions and take the chance to interact with Edmund Optics' experts and other attendees within the “Wonder”-networking world.

