



Optica and IS&T Name Shin-Tson Wu the 2022 Edwin H. Land Medal Recipient

[Optica](#) (formerly OSA) and the Society for Imaging Science and Technology ([IS&T](#)) are pleased to announce that Shin-Tson Wu, University of Central Florida, USA, has been selected as the [2022 Edwin H. Land Medal](#) winner. Wu is honored for contributions to novel displays and diffractive optics that led to commercial products and widespread applications, especially for augmented reality, virtual reality, and imaging devices.

Shin-Tson Wu received his BS in physics from the National Taiwan University, Taiwan and his PhD in Physics from the University of Southern California, USA. He is currently Pegasus professor at CREOL, The College of Optics and Photonics, University of Central Florida (UCF), USA. Prior to joining UCF, he was with Hughes Research Laboratories, USA where the first laser was invented.

Wu is a technical leader in the field of display and imaging technologies. He has performed groundbreaking work in developing new liquid crystal materials, devices, and applications. His pioneering contributions have extensively impacted the global display industry. His prolific inventions, scientific discoveries, and technology development of advanced LCDs and imaging devices have made—and will continue to make—a tangible impact on the quality of life, economic development, and welfare of society. His current research at UCF focuses on augmented reality and virtual reality, including light engines, optical systems, and display materials.

An active volunteer, he has served on the Optica Board of Directors, Publications Council and Board of Editors and was a founding Editor-In-Chief of the *IEEE/Optica Journal of Display Technology*. He is a Charter Fellow of the National Academy of Inventors, a Fellow of Optica, IEEE, the Society for Information Display, and SPIE, and was inducted to the inaugural Florida Inventors Hall of Fame.

Established in 1992, the Edwin H. Land Medal recognizes pioneering work empowered by scientific research to create inventions, technologies and products. It honors Edwin H. Land for his unique career as scientist, technologist, industrialist, humanist and public servant. The medal is jointly presented by Optica and IS&T, and funded through the support of the Polaroid Foundation, the Polaroid Retirees Association and individual contributors, including Manfred Heiting, Theodore Voss and John J. McCann.

About Optica

[Optica](#) (formerly OSA), Advancing Optics and Photonics Worldwide, is the society dedicated to promoting the generation, application, archiving and dissemination of knowledge in the field. Founded in 1916, it is the leading organization for scientists, engineers, business professionals, students and others interested in the science of light. Optica's renowned publications, meetings, online resources and in-person activities fuel discoveries, shape real-life applications and accelerate scientific, technical and educational achievement.

About IS&T

[The Society for Imaging Science and Technology \(IS&T\)](#) is an international professional non-profit dedicated to keeping members and other imaging professionals apprised of the latest developments in the field through conferences, educational programs, publications, and its website. IS&T programs encompass all aspects of the imaging workflow, which moves from capture (sensors, cameras) through imaging processing (image quality, color, and materialization) to hard and soft copy output (printing, displays, image permanence), and includes aspects related to human vision, such as image quality and color. The Society also focuses on a wide range of image-related applications, including security, virtual reality, machine vision, and data analysis.