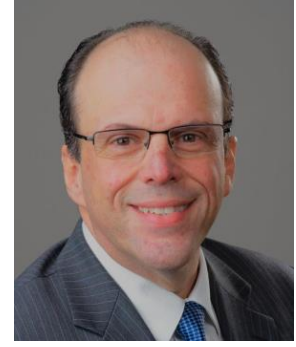


Session	United to Innovate: Inspire Future
Date	APRIL 10, 2025
Time (CET)	10:15 - 10:55
Chair	Burak Büyükfırat

**KEYNOTE SPEAKER**

The Timeless and Transformative Impact of Glass Technologies in our Society

Dr. Claudio Mazzali

VP Global Research – Corning Inc., Unites States

Biography

Dr. Claudio Mazzali is the Vice President of Global Research at Corning Incorporated, a position he has held since June 2022. In this role, Dr. Mazzali leads the corporate research efforts at Corning's Sullivan Park R&D Center and across Corning's global research labs. His extensive career with Corning began in 1999 when he joined the Brazilian regional office as an Optical Communications Specialist. Over the years, Dr. Mazzali has held several key positions, including Senior Vice President and Chief Technology Officer for the Corning Optical Communications sector, Vice President of Technology for Optical Connectivity Solutions, and various roles in strategic alliances management, product line management, and new business development.

Dr. Mazzali's expertise has contributed to the development of components and solutions for optical fiber and optical communication systems across long haul, metro, access and hyperscale data centers. His leadership in early-stage development of integrated solutions has leveraged close connections with academia, and strategic industry partners.

A native of Brazil, Dr. Mazzali holds a Ph.D. in physics from the Gleb Wataghin Physics Institute at Unicamp. He is an esteemed member of the Optical Society of America (Optica) and was elected an OSA Fellow in 2019. Dr. Mazzali is also a member of the American Physical Society and an alumnus of the Global2020 program at Tuck School of Business. His passion for science and technology continues to drive his innovative contributions to optics and material science.

Abstract

From simple containers to complex devices, glass technologies have woven themselves into the very fabric of our world, shaping our past and continuously sculpting our future. Once confined to the roles of fluid containment and daylight admittance, glass has now evolved into a conduit for information and a window to global connectivity and intelligence.

This presentation aims to highlight the transformative prowess of glass technologies, demonstrating their crucial part in pushing boundaries and igniting unparalleled innovation. We will delve into their applications across diverse fields, highlighting the unique properties of different glass types that have positioned this material as a cornerstone of technological advancement. Furthermore, we will touch upon selected cutting-edge developments in glass technologies that are reshaping our reality and how these endeavors are continuing to unlock the boundless potential of this versatile material.

