CENTER FOR CATALYTIC SCIENCE AND TECHNOLOGY

APRIL 1, 2025 11:30 AM 366 COLBURN LAB



LISA MOORE Principal Scientist Inorganic Materials Research Group Corning Incorporated

Lisa Moore earned her B.S. in Metallurgical Engineering and Materials Science from Carnegie Mellon University. She completed her M.S. and PhD degrees in Materials Science at Cornell University in 1991. In her 34 years at Corning, her research interests have included lead-free crystal glass, high purity silica, optical fiber, thermoelectric materials, chemicallystrengthened glass, display glass, and glass-ceramics.



ADAM SARAFIAN Senior Staff Scientist Inorganic Materials Research Group Corning Incorporated

Adam Sarafian earned her B.S. and M.S. in Planetary Geology at the University of Georgia. He completed his PhD degree in Geologic Oceanography at MIT-Woods Hole Oceanographic Institution in 2016. In his 8 years at Corning, his research interests have included pharmaceutical glasses, high purity silica, high refractive index glasses, optical filter glasses, high young's modulus glasses, and glasses made from natural materials.

CORNING AND THE SCIENCE AND TECHNOLOGY OF GLASS

The presentation will begin with an overview of Corning Incorporated highlighting its extensive 170-year history of innovation in materials, processes, and products. We will delve into the fascinating world of glass, with a particular focus on Corning's groundbreaking glass and glass-ceramic products such as Gorilla® Glass and pharmaceutical vials. The discussion will emphasize the science and engineering principles that have driven these innovations and their transformative impact on the world.