

## Noted glass scientist Manoj Choudhary delivers Scholes Lecture at Alfred University

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Manoj Choudhary gives the 2018 Samuel R. Scholes Jr. Lecture at Alfred University

ALFRED, NY Dr. Manoj Choudhary, the president of the International Commission on Glass (ICG), delivered the Samuel R. Scholes Jr. Lecture Thursday, April 19, at Alfred University.

The lecture is delivered annually by a noted glass scientist. It honors the memory of Samuel R. Scholes Sr., who founded the glass technology program at Alfred University in 1932; that has since evolved into the glass science program. Alfred University's Inamori School of Engineering is the only U.S. institution to offer a Ph.D. degree in glass science.

Prior to the lecture, S.K. Sundaram, Inamori Professor of Materials Science and Engineering, presented Brigham Rogers, a sophomore ceramic engineering major from South Wales, NY (East Aurora High School) with the Scholes Scholar award. The award is given each year to the engineering student with the highest GPA at the end of his or her first year.

The topic of Choudhary's lecture was "Modern Materials Practice: Innovation through Modeling and Simulation," in which he described case studies involving glass and polymeric processes and products.

The title of the lecture was, as Choudhary explained, "a grateful tribute to Dr. Samuel R. Scholes Sr. for writing the highly acclaimed text, *Modern Glass Practice*. Through his textbook and others he authored, Scholes trained generations of students and had a profound effect on the U.S. glass industry. Choudhary included materials other than glass in his lecture because it reflects his own experience, and recognizes that the Kazuo Inamori School of Engineering at Alfred University includes educational and research programs for a broad range of materials.

Choudhary, who earned his Doctor of Science degree in materials science and engineering from the Massachusetts Institute of Technology, is a Fellow of the British Society of Glass Technology, and a Fellow of the American

Ceramic Society. A registered professional engineer in the state of Ohio, he worked at Owens Corning&s Science and Technology Center in Granville, OH, from September 1982 to February 2018 and was a member of its senior technical staff.

During Thursday&s lecture, Choudhary discussed some of his work at Owens Corning, including laying the foundations for advanced fluid dynamics-based simulation of several key materials processes, including glass melting and polymeric foam extrusion. His contributions were at the core of some of the most significant glass and polymer process technology and development at the company during the past 35 years.