

INTERACTIVE SESSION with Dr. ARUN VARSHNEYA PhD

President, The Society of Glass Technology

President, Saxon Glass Technologies, Inc.

Professor of Glass Science & Engineering, Emeritus, Alfred University, New York



And celebrating International Year of Glass (IYoG) 2022

(Nov 30, 2022 at Delhi, INDIA)

SESSION 1	
with students of St. Thomas Sr. Secondary Girls School (Mandir Marg) New Delhi-110001	
1000 hrs	Welcoming Dr. Arun Varshneya PhD by the eco-club students
1010 hrs	Opening Remarks By The Principal, Mrs. A Amos, St. Thomas' Girls Senior Secondary School
1015 hrs	Overview of the Glass Industry By Mr. Purvish M Shah, Hon. Treasurer AIGMF and Director Gopal Glass Works Ltd., Ahmedabad
1020 hrs	PPT on Stronger Glass Products and an Overview of IYoG (International Year of Glass) By Dr. Arun Varshneya PhD, President, The Society of Glass Technology / Saxon Glass Technologies, Inc., and Professor of Glass Science & Engineering, Emeritus Alfred University, Alfred NY, USA <i>About Dr. Arun K. Varshneya overleaf</i>
1100 hrs	Q & A
1115 hrs	Summing up the session By Mr. Vinit Kapur, Secretary AIGMF
1120 hrs	Distribution of Mementoes- glass bottles with IYoG logo (<i>pecially made by AGI glaspac and HNG</i>) to the Eco-club, 9 th / 11 th standard science students and main Teachers Photo session with students / Group photo for publications/press
SESSION 2	
with students of Delhi Technological University (DTU) (Main Bawana Road) Delhi-110042	
1430 hrs	Welcoming Dr. Arun Varshneya PhD by the students of Department of Applied Physics
1440 hrs	Opening Remarks By Registrar/HoD Department of Applied Physics, Delhi Technological University
1445 hrs	Overview of the Glass Industry By Mr. Purvish M Shah, Hon. Treasurer AIGMF and Director Gopal Glass Works Ltd., Ahmedabad
1450 hrs	PPT on Stronger Glass Products and an Overview of IYoG (International Year of Glass) By Dr. Arun Varshneya PhD, President, The Society of Glass Technology / Saxon Glass Technologies, Inc., and Professor of Glass Science & Engineering, Emeritus Alfred University, Alfred NY, USA <i>About Dr. Arun K. Varshneya overleaf</i>
1530 hrs	Q & A
1545 hrs	Summing up the session By Mr. Vinit Kapur, Secretary AIGMF
1550 hrs	Distribution of Mementoes- glass bottles with IYoG logo (<i>pecially made by AGI glaspac and HNG</i>) to the Physics Department and main Professors Photo session with students / Group photo for publications/press
1600	High Tea

Program as on 22 November 2022

About Dr. Arun K. Varshneya

On Sept 6, 2022, the Council of the Society of Glass Technology (UK) unanimously elected Dr. Arun K. Varshneya as its 58th President - a role which is a first for an overseas domiciled individual and for an Indian by birth.



Dr. Varshneya received his early education at St. John's College Agra (Agra University), standing first in order of merit in the 1962 B.Sc. (pure sciences) exams of the university. By chance, his father, the late Shri Nathi Lal Varshneya, knew Dr. Atma Ram (former Director of the CGCRI) and Mr. Harish Chandra Varshnei (proprietor of Saraikela Glass Works, Kandra WB) who both urged Mr. Varshneya to ask Dr. Arun to join Sheffield University's Dept of Glass Technology for the B.Sc. Tech. with honours program. Mr. Varshneya himself was a dealer of scientific glass products, chemicals and instruments such as the microscope. It didn't take a second thought. And so began the teenager's journey to the west in the quest of higher education in glass technology, an unheard-of educational discipline those days. Arun received the best of education under the chairship of Professor R. W. Douglas. In the Dept library, he made acquaintance with the Society of Glass Technology abstracting staff. From mere acquaintance with staff to becoming the president of the Society sixty years later is coming of a full circle for him.

In the final year, while at Sheffield, he was advised for his thesis research by the late Professor Alfred R. Cooper. They hit it off. Arun crossed the Atlantic on a ship in August 1965 to join Case Institute of Technology, Cleveland OH as their first graduate student of ceramics, all thanks to Cooper, who later proved to be the most powerful influence in the development of Arun Varshneya as a thinker in glass topics.

After securing his MS and PhD from Case, he joined Ford Scientific Laboratories, Dearborn MI and GE Lighting Business Group in Cleveland. In 1982 Alfred University invited him to join the faculty ranks as a professor of glass science and engineering. As a teacher, he taught nearly all of the required glass engineering science courses both at the undergraduate and the graduate levels and the much-needed business basics as the engineering capstone course. He always drove his students to excel. Students admired him for his use of clear enunciations and simple language during lectures using math, physics and chemistry to drive the toughest of glass topics home. He is most known worldwide for his textbook, "Fundamentals of Inorganic Glasses", now in its third edition. He is the invited author of the 13-page article on "Industrial Glass" in Encyclopaedia Britannica, and author or co-author of roughly 170 publications and 12 patents. Many of his publications, particularly those on strength of glass with "Lessons Learned and Yet to be Learned" as title ending clause have been some of the most downloaded articles in the International Journal of Applied Glass Science.

He co-founded his entrepreneurship company "Saxon Glass Technologies, Inc." in 1996 two blocks away from Alfred University to assist with the economic growth of the western NY region, and continues to be its CEO. The company delivers glass chemical strengthening service. Their most known product is the Ionex[®] chemically strengthened Type I borosilicate glass cartridge in the EpiPen autoinjector used to combat life-threatening anaphylaxis shock as a result of severe allergic reaction to bee stings, peanuts, and shell foods. Prior to chemical strengthening, the probability of glass fracture was as high as 10% during the device administration leading to death. This fracture probability was reduced to virtually non-existent after the chemical strengthening process. As a result, the device market increased roughly 20 folds over the 25 years. It is estimated that several thousands of human lives are saved each year because of this glass product.

Dr. Varshneya is a 2018 Honorary FSGT, a 2014 Distinguished Life Member of the American Ceramic Society and 2007 President's Award of the International Commission on Glass recipient. In December 2011, at the platinum jubilee session of the Indian Ceramic Society in Agra, he organized "Cera Ga Ma Pa" at the Taj mound to sing Hindi songs to the delight of the conference participants. The local news media cited him as one of the 25 crowning stars of Agra. Also in 2011, his wife Mrs. Darshana and he endowed a pair of lecture awards entitled, "Frontiers of Glass" in their name within the American Ceramic Society. Most recently, he endowed the Cooper, Varshneya and Smialek scholarship at Case Western Reserve University.

Dr. Varshneya has been taking active role in the organization of the 2022 International Year of Glass activities around the globe (including being a judge for the AIGMF photo contest "Glass in our lives" for the youth). He is the lead editor of the "National Day of Glass: Commemorative Edition" book discussing what glass products have achieved and highlighting the many North American individuals whose tireless work has brought to where we are and where are we heading.

As President of the Society of Glass Technology, Dr. Varshneya is looking forward to increasing ties with the Indian Ceramic Society, AIGMF, and the CGCRI. Dr. Arun and Mrs. Darshana, his wife live in Vienna VA and warmly welcome friends and relatives with open arms.