

# Personality Profile:

## Dr. Manoj Choudhary



**Dr. Manoj Choudhary assumed the Presidency of the International Commission on Glass (ICG) at the Annual Meeting of ICG held in Bangkok, Thailand during September 20-23, 2015.**

ICG ([www.icglass.org](http://www.icglass.org)) is a non-profit international Society of national scientific and technical organizations with particular interests in glass science and technology. It was founded in 1933 and has grown to become the recognized world-wide organization in the field of glass with presently 37 member organizations bringing together the world's most respected universities, scientific institutions, companies of the glass industry and allied organizations. The aim of ICG is to promote and stimulate understanding and cooperation between glass experts in the fields of science and technology as well as art, history and education.

Dr. Choudhary is the first person of Indian origin and only the 5<sup>th</sup> American to hold the presidency of this 82-years old, prestigious global organization dedicated to glass science and technology.

Dr. Choudhary hails from Darbhanga, Bihar and was educated in Kolkata and

at IIT, Kharagpur prior to coming to US in 1974 as a graduate student. He received B. Tech. (Hons.) in Chemical Engineering from IIT, Kharagpur, M.S. in Chemical Engineering from SUNY Buffalo and Sc.D. in Materials Science and Engineering from Massachusetts Institute of Technology. The many awards he received during his educational years include Professor S. K. Nandi Gold Medal for being the best all-rounder Chemical Engineering Graduate, Institute Silver Medal for securing the first rank in Chemical Engineering (both while at IIT, Kharagpur) and Falih N. Darmara Award for excellence in academic performance, research, and extracurricular activities from the Department of Materials Science and Engineering at MIT.

Dr. Choudhary is a member of Senior Technical Staff at Owens Corning's Science & Technology Center in Granville, Ohio. His professional interests include development of innovative glass and polymer processes and products through the application of computational fluid dynamics (CFD), engineering fundamentals, physics, chemistry, and materials science. Dr. Choudhary's contributions have been at the core of some of the most significant process and product developments in Owens Corning during the past 30 years. He has received Owens Corning's highest technical achievement awards multiple times.

Dr. Choudhary is also a recipient of several awards and honors from outside of Owens Corning,

including the Arthur L. Friedberg Ceramic Engineering Tutorial and Lecture Award from the National Institute of Ceramic Engineers, the Glass Service Modeling Award, and a Best Paper Award from the Glass Industry Committee of IEEE Industry Application Society. He is a Fellow of the British Society of Glass Technology, and a Fellow of the American Ceramic Society. He has presided over several professional organizations including the Industry-University Center for Glass Research at Alfred University, the Glass and Optical Materials Division of the American Ceramic Society, and the Glass Manufacturing Industry Council. He is a Specially-appointed Professor of China State Key Laboratory of Advanced Technology for Float Glass, and a registered Professional Engineer.

In his inaugural address, Dr. Choudhary outlined the following five key areas for ICG to focus on.

- Enhance engagement with membership
- Attract and retain younger colleagues
- Seek strategic roles for the Coordinating Technical Committee and the Technical Committees
- Extend ICG's global outreach through educational programs / trainings and professional alliances
- Explore additional financial resources in support of ICG's activities

As communicated by Dr. Choudhary

in his New Year's Greetings to ICG members, he and his fellow ICG officers have initiated action in these areas.

It may be of special interest to the readers of KANCH and the Indian glass community to note that in the recent years, ICG has made a very concerted effort to enhance its engagement with Asia. Some of the most visible aspects of ICG's recent focus on Asia are listed below:

- The 2011 ICG Annual Meeting was held in Shenzhen, China during March 31-April 2.
- ICG President Dr. Fabiano Nicoletti and Executive Secretary, Dr. Peter Simurka participated in the meeting of the Council of Materials Research Society of India, held in Bhopal on February 16, 2011.
- Professor Shou Peng, Chairman of China Triumph International Engineering Co., Ltd became ICG president in 2012.

- ICG held its Steering Committee Meeting at the Central Glass and Ceramic Research Institute, Kolkata in December 2013 in conjunction with the Asia-Pacific Meeting of Glass and Allied Industries.
- The 2015 Annual Meeting of the ICG was held in Bangkok, Thailand during September 20-23.
- The XXIV International Congress on Glass, the largest gathering of glass science and technology professionals will be held in Shanghai, China during April 7-11, 2016.
- The 2018 Annual Meeting of the ICG will be held in Japan.
- Iran has recently become a member of ICG.
- AIGMF, Borosil, Viglacera (Vietnam), PT Timur Makmur Abadi (Indonesia) and several Chinese glass companies are Associate Members of ICG.

Along with his ICG colleagues, Dr. Choudhary is committed to building

upon the already strong engagement of ICG with Asia in general and India in particular. He has visited CGCRI in 2013, 2014, and 2015 to encourage and enhance India's engagement with ICG. While ICG has demonstrated its continuing very strong commitment to Asian glass community, it is imperative that the Asian members of ICG also come forward with their suggestions and recommendations. ICG provides an excellent platform for serving the global glass community. But it is a volunteers' organization and it is absolutely critical for its members to engage ICG resources including its most valuable asset, namely, its Technical Committees. In case of India, he requests entities such as CGCRI, AIGMF, and Borosil to look beyond just being a member of ICG to enhance their presence in ICG through active participation in its program and through identifying opportunities to leverage ICG. He and his colleagues are hopeful that this will happen ■

## FROM ARCHIVES



CSIR-Central Glass and Ceramic Research Institute (CSIR-CGCRI), Kolkata, International Commission on Glass (ICG), The All India Glass Manufacturer's Federation (AIGMF), and The Indian Ceramic Society (InCerS) Jointly organized the Asia Pacific Meeting of Glass and Allied Industries during December 2-3, 2013.

Dr. Manoj Chaudhary gave an overview of the ICG and US Glass Industry. He said that the first ICG Congress on Glass was held at Venice in September 1933; 200 participants from 8 countries participated and 42 papers were published. The ICG constitution was finalized at this event. The ICG has four objectives: (i) Cooperation/Participation (ii) Clearing house for technical and



scientific works for future congresses (iii) Receipt/transmission of topics of international interest on physics, Chemistry and Technology of glass and finally, (iv) Assistance to those countries that still do not have glass related societies. He said that most of the work of the ICG was carried out by its Technical Committees (TCs), which are the "backbone" of international cooperation clusters. The TCs are organized into groups according to their R&D activity fields and include: Basics, Glass Production, Surfaces & Interfaces, New Applications and information, Communication, Education, History. He then presented details about the TCs.

Presentations given during the programme can be downloaded from <http://aigmf.com/past-events.php>