

Webinar on “From Atoms to Thin Films

- Topic:** From Atoms to Thin Films
- Speaker:** Prof. K. L. Chopra (Padma Shri, Former Director IIT Kharagpur)
- Date:** 7th Nov. 2020 (Saturday)
- Time:** 10.30 AM

Biography of the Speaker:

Prof. Chopra received BSc(Hons) and MSc in Physics from Delhi University. Awarded a World University Fellowship, Prof. Chopra joined University of British Columbia, Canada to earn PhD. After working in senior R&D positions for 17 years in different R&D institutions in Canada, Germany and USA, he was invited to join IIT Delhi as Senior Professor and served in various academic positions as Head and Dean. Challenged by the offer of Directorship of IIT Kharagpur by the HRD ministry to rejuvenate the first IIT, he served for two terms of 10 years as a unique case and turned the IIT around to its premier place. After retirement, he served IITD as IREDA Chair Professor for Solar Energy and later as a Distinguished Honorary Professor of several premier academic institutions and Advisor/ Consultant to some industries.

Prof Chopra and his students created a unique Thin Film Laboratory of international reputation from scrap materials. He has supervised 60 PhD students, authored/co-authored /edited 10 books, published over 430 research papers, held 5 US patents, and transferred 10 know-hows to industry in the areas related to Thin Films and Nanomatter. His former research students have established 12 ThinFilm Technology based industries in India and abroad. His first book Thin Film Phenomena published in 1969 is still considered as the Bible of the field for students. Books on ThinFilm Solar Cells and ThinFilm Device Applications are studied globally.

Recipient of numerous Awards which include S S Bhatnagar Prize, Bhabha Award; Krishnan, Aryabhata and Mahalanobis Medals, FICCI, Bhasin and Roy Awards, Distinguished Scientist and Life-Time Achievement Awards of Solar Energy Society, Indian Vacuum Society and Materials Research Society of India, Life Time Contributions Award in Engineering by Indian National Academy of Engineering and the ISI (Reuter Thomson USA) Citation -Laureate Award for being one of the 8 “most highly cited” scientist of India during 1980-2003. He conferred Jeevan Gaurav Purskar of the National Teachers’ Congress 2018 by Hon’ble Dalai Lama, Recipient of several Honorary DSc degrees. Elected as Fellow of all the four Science and

Engineering Academies of India. Prof Chopra has been conferred Padma Shri by the Government of India for his contributions to science and engineering.