

2014 CMOS SPEAKER TOUR

Ozone Science: From Discovery to Recovery - and Beyond

Dr. Tom McElroy
York University

DATE: Tuesday, June 10, 2014

TIME: 3:30 PM

PLACE: C2045

ABSTRACT: From the deployment of a Canadian ozone monitoring system during IGY in 1957 through the signing of the Vienna Convention for the Protection of the Ozone Layer in 1985 and up to the present, Canada has played a leading role in the measurement of ozone, worldwide. Dr. McElroy was intimately involved in the ozone issue since 1970. He will share his viewpoint on the contribution Canada has made to ozone science and on the influence the development of the Montreal Protocol in 1987 has had on global environmental discussions since.

SHORT BIOGRAPHY: Professor McElroy, Ph. D., FCMOS, FRSC, holds the CSA/ABB/NSERC Industrial Research Chair in Atmospheric Remote Sounding in the Department of Earth and Space Science and Engineering at York University in Toronto. Tom moved to York after retiring from a 36-year career at Environment Canada (EC) in 2011.

His research at the University of Toronto and EC included the first differential, visible-light measurements of nitrogen dioxide in the atmosphere, the co-invention of the Brewer Ozone Spectrophotometer and the UV Index, now in use in 25 countries worldwide. He designed and built instruments flown by two Canadian astronauts on the US space shuttle and is the designer and Principal Investigator of the MAESTRO (Measurement of Aerosol Extinction in the Stratosphere and Troposphere Retrieved by Occultation) instrument on the Canadian Space Agency's SCISAT satellite, still operating on orbit in its 11th year. Tom is an author or co-author on more than 120 peer-reviewed publications.

ALL ARE WELCOME!!!