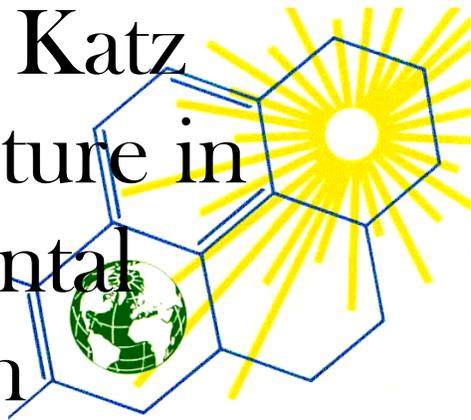


2013 Morris Katz Memorial Lecture in Environmental Research



Professor Paul T. Anastas

Department of Chemistry
Director, Center for Green Chemistry and Engineering
Teresa and H. John Heinz III Professor in the Practice of Chemistry for the Environment
School of Forestry & Environmental Studies
Yale University

Sustainability Through Chemistry: The Path Forward

Friday, October 18, 2013
2:30 p.m.

103 Life Science Building
York University
4700 Keele Street, Toronto





Abstract

Society is on an unsustainable path. The change that is needed is urgent. One of the few human forces of change that is capable of bringing about the needed in the timeframe required is called innovation. Green Chemistry and Green Engineering are fields that use the spirit and tools of innovation to design the products, processes and systems that are the basis of our society and our economy so they will be more sustainable. This talk will focus on the scientific achievements that have resulted in positive impact thus far and the steps that are being taken to ensure that the innovations resulting from these field are not just incremental but rather, transformative.

Biographical Sketch

Paul T. Anastas is the Teresa and H. John Heinz III Professor in the Practice of Chemistry for the Environment. He has appointments in the School of Forestry and Environmental Studies, Department of Chemistry, and Department of Chemical Engineering. In addition, Prof. Anastas serves as the Director of the Center for Green Chemistry and Green Engineering at Yale. Anastas took public service leave from Yale to serve as the Assistant Administrator for the US Environmental Protection Agency and the Agency Science Advisor from 2009-2012. From 2004 -2006, Paul Anastas served as Director of the ACS Green Chemistry Institute in Washington, D.C. He was

previously the Assistant Director for the Environment in the White House Office of Science and Technology Policy where he worked from 1999-2004. Trained as a synthetic organic chemist, Dr. Anastas received his Ph.D. from Brandeis University and worked as an industrial consultant. He is credited with establishing the field of green chemistry during his time working for the U.S. Environmental Protection Agency as the Chief of the Industrial Chemistry Branch and as the Director of the U.S. Green Chemistry Program. Dr. Anastas has published widely on topics of science through sustainability including eleven books, such as *Benign by Design, Designing Safer Polymers, Green Engineering*, and his seminal work with co-author John Warner, *Green Chemistry: Theory and Practice*.

The Lectureship Fund

The Morris Katz Lectureship was made possible by the establishment of an Endowment Fund created through contributions from his family, his friends, his colleagues, private companies, universities and government. It is intended that this lectureship become self sustaining. Major contributions in support of this year's lecture have been made by:

The Centre for Atmospheric Chemistry
and
The Ontario Ministry of the Environment

If you share in Morris Katz' enthusiasm and commitment to having a cleaner environment, please make a contribution to support this on-going educational activity. Send your contribution in care of: The Morris Katz Memorial Lectureship, Centre for Atmospheric Chemistry, York University, 4700 Keele Street, Toronto, Ontario, M3J 1P3 Canada.

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