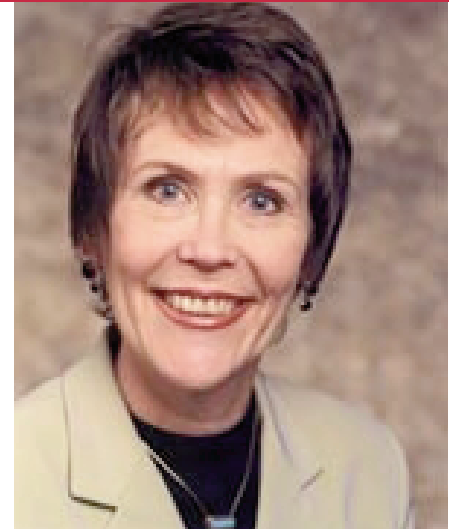


NJIT TECHNOLOGY AND SOCIETY FORUM SERIES

GLOBAL CHANGE: THE CHALLENGES FOR RESEARCH IN A WORLD AWARE OF CHANGE

SPEAKER MARGARET LEINEN

Chief Science Officer and Vice President
Climos



NJIT CAMPUS CENTER BALLROOM
FEBRUARY 12, 11:30 A.M. – 1:00 P.M.

As recorded in geologic deposits, the complex elements of the Earth system that determine climate and ecology have changed profoundly over many millions of years. However, while such changes have occurred in a more distant past, climate has been relatively stable during the last 6000 years. This stability can no longer be taken for granted, and there is growing awareness worldwide that the near future will bring major environmental changes of great significance for nations, social institutions and individuals.

Join Margaret Leinen as she explains how the buildup of atmospheric greenhouse gases over just two centuries has impacted the Earth's climate and ecosystems and how changes we are experiencing cannot be modeled without including fossil-fuel emissions. Leinen will examine the essential role of geoscience in understanding how climate processes will respond to a continuing increase in greenhouse gases and the rate at which change will occur.

Leinen holds a PhD in oceanography from the University of Rhode Island. Prior to her recent appointment as chief science officer and vice president of Climos, Leinen was the assistant director for geosciences at the National Science Foundation, where she led the transition of the Ocean Drilling Program to the Integrated Ocean Drilling Program, and oversaw the development of the Ocean Observatories initiative and advanced modular incoherent scatter radar. At the University of Rhode Island, Leinen served as dean of the Graduate School of Oceanography, dean of the College of Environment and Life Sciences, and vice provost for marine programs.

Co-sponsored by the Distinguished Lecture Series on Environmental Science, Engineering and Policy; Murray Center for Women in Technology; NJIT ADVANCE Program; Albert Dorman Honors College; NJIT Technology and Society Forum Committee

UPCOMING SESSIONS in the NJIT Technology and Society Series:

February 26 **WILLIAM A. WULF**

"Rising Above the Gathering Storm"

March 28

FOUR WOMEN COMPOSERS: The Music of Nadia Boulanger, Rebecca Clarke, Fanny Mendelssohn, Clara Schumann
Performed by The Downtown Chamber Trio

April 9

JAMES E. WEST

A special dual presentation:

"Where Credit is Due: The Black Heritage in Technology"

"Noise Can Make You Sick"

For More Information: Contact Jay Kappraff, kappraff@adm.njit.edu or 973-596-3490

On the Web: <http://tsf.njit.edu>

NJIT welcomes attendees from Essex County College, Rutgers-Newark, the University of Medicine and Dentistry of New Jersey and Sigma Xi