

SUSTAINABLE ENERGY SPEAKER SERIES

Monday, September 18 | 2:00 - 3:00



Marland reduces his carbon footprint by riding his bike to work every day

Gregg Marland

Climate Change 1001: What, Why, How, Who?

*Monday, September 18 | 2:00 - 3:00 pm
Plemmons Student Union, Room 417 Beacon Heights
FREE and open to the public*

Fundamental issues of chemistry and physics help us understand the human impact on the Earth's climate system. Dr. Marland will examine whether we can clearly establish that the chemistry of the atmosphere is changing and whether it is changing because of human activities. This lecture will go beyond the political polarization on the topic and examine what is changing and why, how our energy systems contribute to the problem, and potential solutions. Finally, he will discuss whether the time of pollution matters. If we are going to pollute the atmosphere eventually, does it matter if we do it now or 10 years from now?

Dr. Gregg Marland has a dual appointment with the Research Institute for Environment, Energy and Economics (RIEEE) and the Geology Department at Appalachian State. Dr. Marland joined the RIEEE from the Oak Ridge National Laboratory where he served for over 23 years. He has served as a member of the National Research Council Committee on Methods for Estimating Greenhouse Gas Emissions, co-chair of the United States Interagency Carbon Cycle Science Working Group, and National Research Council Committee on Global Change Research.

Attendance will be kept for faculty offering extra credit for students.

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