

# *The Impact of CO<sub>2</sub> on Global Climate Change*

## *Spring & Fall 2009 program of the “Open Forum on Energy and the Environment”*

*A monthly symposium for interested faculty, students, and research fellows at GT*

**Monthly, selected Thursdays, 4:30 pm, Room L1255, Ford ES&T**

This annual, open forum on the energy and environment is designed as with an informative lecture/discussion format to allow interested parties to learn about the latest advances in science and technology related to energy and the environment. This year, the Forum will consist of monthly discussions revolving around the production of anthropogenic CO<sub>2</sub> from fossil fuel combustion and the effect on the global climate change. Based on the experience with the first-year program, the topic will be extended to other subjects such as renewable energy (solar, wind, biomass) in successive years. This series of annual symposia is designed to support young scientists in the development of a broad understanding of the complex interconnected issues associated with energy and environmental science.

### **Tentative Program**

**4:30 – 5:10 PM** : Lecture by a faculty member, graduate student, or post-doctoral fellow

**5:10 – 5:30 PM** : Discussion of the lecture and related topics

\* Food and beverages will be provided

<b>Date</b>	<b>Topic</b>	<b>Representative</b>
<b>Feb. 5</b>	Global climate change and its impacts on Georgia	Dr. J. Curry (EAS)
<b>Mar. 5</b>	A paleoclimate perspective on global warming	Dr. K. Cobb (EAS)
<b>Apr. 2</b>	Understanding aerosol-cloud-climate interactions.	Dr. A. Nenes (EAS/ChBE)
<b>May. 7</b>	Existing technologies for CO <sub>2</sub> capture and sequestration	TBA
<b>Sep. 3</b>	A new CO <sub>2</sub> capture platform: hollow fiber sorbents for post-combustion recovery	Mr. R. Lively (ChBE PhD Student)
<b>Oct. 1</b>	A new CO <sub>2</sub> capture platform: inorganic-organic hybrid materials for flue gas treatment	Dr. Sunho Choi (ChBE Postdoc)
<b>Nov. 5</b>	Feasibility and technology options for CO <sub>2</sub> capture from transportation and distributed sources	Dr. A. Fedorov (ME)

For more information, visit the website, [www.chbe.gatech.edu/TBA](http://www.chbe.gatech.edu/TBA), or email: [christopher.jones@chbe.gatech.edu](mailto:christopher.jones@chbe.gatech.edu), [sunho.choi@chbe.gatech.edu](mailto:sunho.choi@chbe.gatech.edu)

# *The Impact of CO<sub>2</sub> on Global Climate Change*

2009 Program of the “Open Forum on Energy and the Environment”

Monthly, every first Thursday, 4:30 pm, Room L1255, Ford ES&T

*How do we know our climate is changing beyond normal, historic variations?*

*To what degree does carbon dioxide from human activity affect climate?*

*What can we do about carbon dioxide emissions?*

*What should we do? What is the cost if we do it? What if we do nothing?*

*What is carbon capture and sequestration?*

*What are the emerging methods for carbon capture?*

*What are the options for CO<sub>2</sub> sequestration and utilization?*

These questions and many others will be addressed in this Forum. Any interested person in the Georgia Tech community is invited. Come and listen!

Come and participate in the discussion. No single issue is likely to have a greater bearing on human scientific, economic, and environmental development over the next 50 years.

# ***The Impact of CO<sub>2</sub> on Global Climate Change***

This symposium is designed to allow young scientists and engineers to broaden their understanding of global energy and environmental issues. You can expect an informative lecture from an expert in the field followed by an extensive, open discussion, so please come and join the Forum!

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