

CEAR 2019 Pre-Conference on Academic Research: *From Buying Greenhouse Insurance to Selling Greenhouse Insurance*

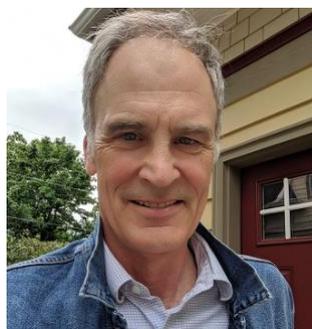
November 4-5, 2019 | Dhaka, Bangladesh

The Center for the Economic Analysis of Risk (CEAR) is organizing an academic pre-conference in conjunction with the 15th International Microinsurance Conference. The pre-conference attracts researchers to present major findings and participate in panels on recent developments in research methods to understand risk management choices of the poor. This pre-conference is being held on Monday and Tuesday, November 4-5, 2019, immediately prior to the main conference, which is on November 5, 6, and 7. Presentations in the academic pre-conference will be plenary and allow enough time for detailed discussion of each presentation and for shared discussion.

The title of this pre-conference is **From Buying Greenhouse Insurance to Selling Greenhouse Insurance**. This title picks up a theme from the early book by Alan Manne and Rich Richels, *Buying Greenhouse Insurance: The Economic Costs of CO2 Emission Limits* (Cambridge, MA: MIT Press, 1992). Alan and Rich used insurance as a metaphor, and showed how one calculates economic costs in proper present-value welfare terms, using a simple integrated assessment computable general equilibrium (CGE) simulation model. The expected present value certainty equivalent is, of course, the demand for a full indemnity insurance contract with no deductible.

This pre-conference reviews insights from CGE models for characterizing the climate change problem as well as designing policies to mitigate it, with special attention to the role of insurance. On Monday afternoon the focus will be on reviewing the last 30 years of developments in CGE models for the *descriptive* characterization of climate change, and on Tuesday morning the focus will turn to discussing the ways in which CGE models have been used, and could be used, to *normatively evaluate policies* seeking to mitigate the effects of climate change. There will be considerable time for public discussion and questions.

Keynote Speaker



The **keynote speaker will be Professor Thomas Rutherford**, one of the leaders in CGE modeling in general and climate change applications in particular. Rutherford is a Professor in the Department of Agricultural and Applied Economics, and holds a dual faculty appointment in the Wisconsin Institute for Discovery, both at the University of Wisconsin, Madison, USA. He graduated with a Ph.D. from Stanford University in 1987, supervised by Alan Manne. He is the developer of the programming language MPSGE within GAMS, one of the most widely used tools for developing CGE models. He has published extensively on the use of CGE models for trade policy and climate change policy in major academic journals. Between 2008 and 2011 he held the Chair in Energy Economics at the Swiss Federal Institute of Technology (ETH), Zürich, and prior to that has held academic positions at the University of Colorado, University of Western Ontario, and Yale University. As a Peace Corp volunteer between 1977 and 1979, he worked as a rural suspension bridge engineer in Nepal, and one of the bridges he built remains heavily used to this day.

Registration

All attendees of the pre-conference must also register for the main IMC. Registration is open to any researcher, academic or otherwise. The registration to attend this pre-conference is done separately from the main conference. Go to <https://cear.gsu.edu/event-archives/cear-2019-pre-conference-on-academic-research/> in order to register for the pre-conference and find further information. The event has a capped attendance at 40 participants and will be on a first-come, first-served basis.

Monday, November 4, 2019

Time	Topic
14:00 – 14:30	Welcome and Introduction Glenn Harrison (CEAR, Georgia State University)
14:30 – 15:30	Integrated Assessment Modeling and Policy Over the Last 30 Years Thomas Rutherford (University of Wisconsin)
15:30 – 16:00	Coffee break
16:00 – 16:30	Forest Management and Climate Change in the RICE Model Mathilda Eriksson (Georgia State University)
16:30 – 17:00	Stochasticity in Integrated Assessment Models Thomas Rutherford (University of Wisconsin)
17:00 – 17:15	Break
17:15 – 17:45	Mangroves, Hurricanes, and the Risk Management of Climate Change Alejandro Del Valle Suarez (Georgia State University)
17:45	Closing Remarks Glenn Harrison
TBD	Conference Dinner (invited guests)

Tuesday, November 5, 2019

Time	Topic
09:00 – 09:45	Risk Management and the Normative Evaluation of Climate Change Policy Glenn Harrison (CEAR, Georgia State University)
09:45 – 10:30	General Equilibrium Models for Mitigation and Adaptation Policy Measures in Developing Countries Thomas Rutherford (University of Wisconsin)
10:30 – 11:00	Coffee break
11:00 – 12:00	Panel Discussion on the Role of Insurance in Climate Change (Modeling) Alejandro Del Valle Suarez, Glenn Harrison, Thomas Rutherford
12:00	Concluding Remarks Glenn Harrison