# SEVENTH INTERNATIONAL CONFERENCE ON CLIMATE CHANGE

SPONSORED BY THE HEARTLAND INSTITUTE

MAY 21–23, 2012 · CHICAGO, IL

# REAL SCIENCE REAL CHOICES

CONFERENCE PROGRAM

# HOST

THE HEARTLAND INSTITUTE

IDEAS THAT EMPOWER PEOPLE

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**Science and Public Policy Institute**

**TS August**

**Virginia Scientists and Engineers for Energy and the Environment**

# FROM YOUR HOST

JOSEPH L. BAST
PRESIDENT
THE HEARTLAND INSTITUTE

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**Welcome to the Seventh International Conference on Climate Change!**

Thank you for joining us for two-and-a-half days of discussion and debate over the causes and consequences of climate change, the most important and controversial topic of our time. I hope you enjoy the presentations and learn something new.

**Real Science**

This year's program features approximately 60 scientists and policy experts speaking at plenary sessions and on panels discussing what real science is telling us about climate change. They will discuss the latest discoveries in climate history and physics, extreme weather events, the all-important question of attribution (what causes climate change?), and the impacts of climate change.

While we have a stellar line-up of speakers, I am disappointed once again by the refusal of scientists who support the predictions of the United Nations Intergovernmental Panel on Climate Change (IPCC) to attend and defend their position. More than 30 "warmists" were invited to present at this event. All refused.

If it is fair to judge a scientific theory by whether its advocates show up to defend it, then the theory of catastrophic anthropogenic global warming is a failure.

**Real Choices**

The debate over climate change is charged with partisan fever because it affects important public policies. These are the real choices we face as taxpayers, consumers, and voters.

The IPCC's science reports are used to defend policies that impose substantial costs on consumers and threaten to destroy hundreds of thousands of jobs. Fear of "global warming" is invoked to justify a litany of government interventions, everything from "smart growth" and organic gardening to corporate subsidies and income redistribution.

Speakers at this conference address these choices, in particular the promise and limits of renewable energy, the health effects of climate change, and the economics of adaptation and emissions control.

Judging by the press and statements made by environmental advocacy groups, asking questions about real science and real choices in the climate change debate is so dangerous that it ought to be forbidden. According to the mainstream media, this very conference isn't occurring!

But we are in fact meeting, and asking questions. And we are being heard all around the world, thanks to the Internet. We thank you and our 59 cosponsors for the courage to attend and for helping to make this meeting possible. I hope you enjoy the conference, and I welcome your feedback and suggestions for future events.

Sincerely,

Joseph L. Bast
President
The Heartland Institute

# PROGRAM

All panels take place in the Williford Ballroom, Third Floor, except concurrent panels 6 and 10, which take place in the Continental Ballroom.

## MONDAY, MAY 21

7:30 AM – 5:30 PM — Registration on the main level by the Continental Ballroom

7:30 AM – 9:00 PM — Exhibit area open

8:00 AM — BREAKFAST

Welcome — Joseph Bast, president, The Heartland Institute
James M. Taylor, senior fellow, The Heartland Institute

Keynote – Joe Bastardi

9:30 AM – 10:00 AM — BREAK

10:00 AM – 11:00 AM — PANEL 1 – CLIMATE HISTORY AND PHYSICS
Moderator – James M. Taylor
Nir Shaviv, Ph.D.
Howard Hayden, Ph.D.
Don Easterbrook, Ph.D.

11:00 AM – 12:15 PM — PANEL 2 – HEALTH AND WELFARE
Moderator – Dennis Avery
John Dunn, M.D.
Jerry Arnett, M.D.
Paul Driessen
Todd Wynn

12:15 PM – 12:30 PM — BREAK

12:30 PM – 2:00 PM — LUNCH
Climate Change and the Blogosphere
Moderator – James M. Taylor
Larry Bell
Tom Harris
Marc Morano

2:00 PM – 2:30 PM — BREAK

2:30 PM – 3:30 PM — PANEL 3 – IMPACT OF CLIMATE CHANGE
Moderator – Tom Harris
Craig Idso, Ph.D.
Craig Loehle, Ph.D.
Patrick Michaels, Ph.D.

3:30 PM – 4:30 PM — PANEL 4 – EXTREME WEATHER EVENTS
Moderator – John Dunn, M.D.
William Gray, Ph.D.
Stanley Goldenberg
Anthony Lupo, Ph.D.

4:30 PM – 5:30 PM — BREAK

Reception/book sales-signing in the exhibit area (cash bar)
Patrick Michaels and Larry Bell

5:30 PM – 8:00 PM — DINNER
James M. Taylor – Real Science
Joseph Bast – Real Choices
Hon. Vaclav Klaus, Ph.D.

8:00 PM — ADJOURN

## TUESDAY, MAY 22, 2012

7:30 AM – 5:30 PM — Registration on the main level by the Continental Ballroom

7:30 AM – 9:00 PM — Exhibit area open

8:00 AM – 10:00 AM — BREAKFAST

The NASA Letter Writers
Moderator – Leighton Steward
Harrison Schmitt, Ph.D.
Walter Cunningham
Harold Doiron
Thomas Wysmuller

10:00 AM – 10:30 AM — BREAK

10:30 AM – 11:30 AM — PANEL 5 – ATTRIBUTION: WHAT CAUSES CLIMATE CHANGE?
Moderator – Stanley Goldenberg
Willie Soon, Ph.D
S. Fred Singer, Ph.D.
Tom Segalstad, Ph.D.

PANEL 6 – MEASURING CLIMATE CHANGE AND ITS IMPACTS – 1 (concurrent session taking place in the Continental Ballroom)
Moderator – Steve Goreham
Anthony Watts
Richard Keen, Ph.D.
Willis Eschenbach, Ph.D.

11:30 AM – 12:00 PM — BREAK

12:00 PM – 1:30 PM — LUNCH
James M. Taylor, senior fellow, The Heartland Institute
U.S. Rep. Jim Sensenbrenner

1:30 PM – 2:00 PM — BREAK

2:00 PM – 3:00 PM — PANEL 7 – MEASURING CLIMATE CHANGE AND ITS IMPACTS – 2
Moderator – Jay Lehr, Ph.D.
Bob Carter, Hon. FRSNZ
Madhav Khandekar, Ph.D.
Dennis Avery, Ph.D.

3:00 PM – 4:15 PM — PANEL 8 – LIMITS OF RENEWABLE ENERGY
Moderator – Tom Harris
Peter Ferrara, J.D.
Donn Dears
John Droz
Ken Haapala, M.S.

4:15 PM – 5:30 PM — BREAK

Reception/book sales-signing in the exhibit area (cash bar)
Brian Sussman and S. Fred Singer

5:30 PM – 8:00 PM — DINNER KEYNOTE
Jim Lakely, director of communications, The Heartland Institute
Brian Sussman – Global Whining

8:00 PM — ADJOURN

# PROGRAM

All panels take place in the Williford Ballroom, Third Floor, except concurrent panels 6 and 10, which take place in the Continental Ballroom.

## WEDNESDAY, MAY 23, 2012

7:30 AM – 2:00 PM Registration on the main level by the Continental Ballroom

7:30 AM – 3:00 PM Exhibit area open

8:00 AM – 9:30 AM **BREAKFAST**
Jim Lakely, director of communications,
The Heartland Institute
Roger Helmer, MEP

9:30 AM – 10:00 AM **BREAK**

10:00 AM – 11:00 AM **PANEL 9 – SOCIAL AND ECONOMIC FACTORS**
Moderator – Dennis Avery
Myron Ebell, J.D.,
Julian Morris, M.S., J.D.
Christopher Horner, J.D.

**PANEL 10 – COMMUNICATING CLIMATE CHANGE**
(concurrent session taking place in the Continental Ballroom)
Moderator – Ken Haapala
Jay Lehr, Ph.D.
Steve Goreham
Charles Battig

11:15 AM – 12:15 PM **PANEL 11 – APPLICATIONS AND LESSONS LEARNED**
Moderator – Stanley Goldenberg
Richard Trzupek
Alan Carlin, Ph.D.
Larry Gould, Ph.D.

12:15 PM – 12:45 PM **BREAK**

Reception/book sales-signing in the exhibit area
Steve Goreham and Craig Idso

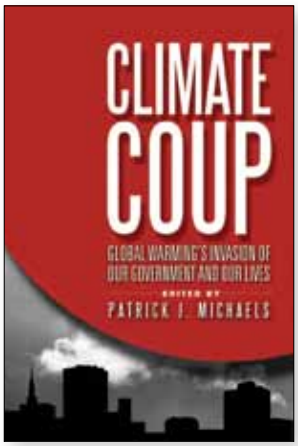
12:45 PM – 2:30 PM **LUNCH**
James M. Taylor, senior fellow, The Heartland Institute
Sebastian Lüning – Medieval Warm Period and Climate Cycles

2:15 PM - 2:30 PM **CONCLUDING REMARKS**

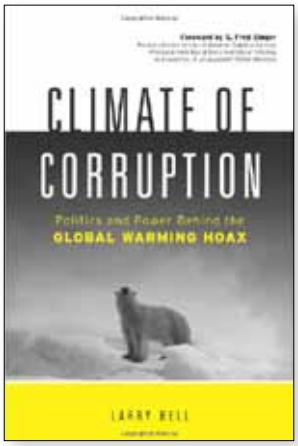
2:30 PM **ADJOURN**

## BOOK SIGNINGS

### *Monday, May 21, 4:30 PM*

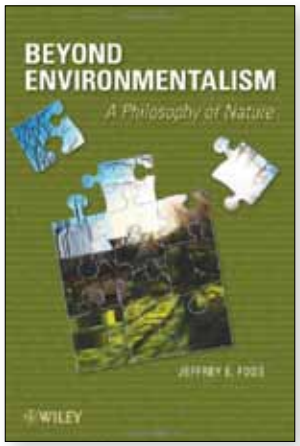


**Patrick J. Michaels, Ph.D.**
*Climate Coup: Global Warming's Invasion of Our Government and Our Lives*
*$20.00*

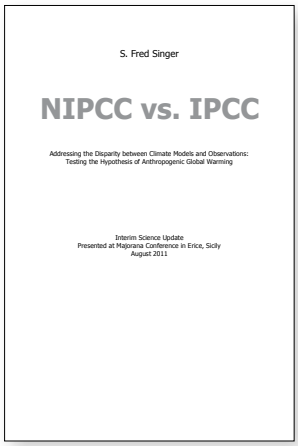


**Larry Bell**
*Climate of Corruption*
*$20.00*

### *Tuesday, May 22, 4:15 PM*



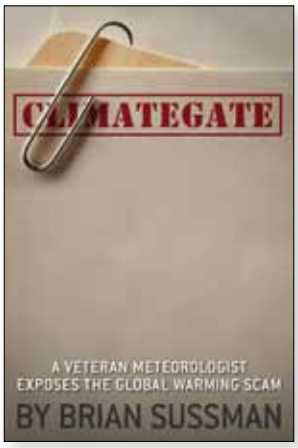

**Jeffrey Foss**
*Beyond Environmentalism: A Philosophy of Nature*
*$79.00*



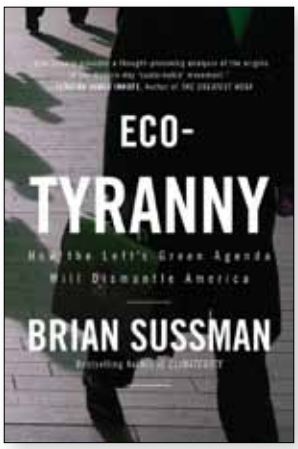
**S. Fred Singer, Ph.D.**
*NIPCC vs IPPC*
*$10.00*

## BOOK SIGNINGS

### *Tuesday, May 22, 4:15 PM*

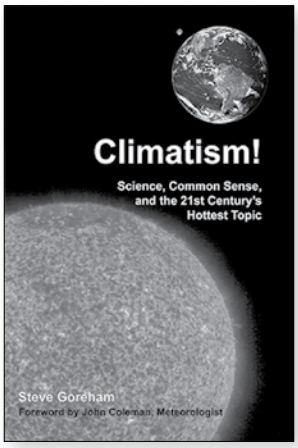


**Brian Sussman**
*Climategate*
*$20.00*

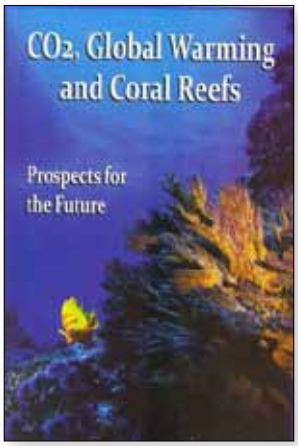


**Brian Sussman**
*Eco-Tyranny: How the Left's Green Agenda Will Dismantle America*
*$20.00*

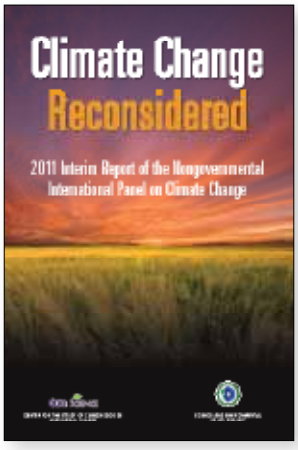
### *Wednesday, May 23, 12:15 PM*



**Steve Goreham**
*Climatism*
*$20.00*



**Craig Idso**
*C02, Global Warming and Coral Reefs*
*$10.00*



**Craig Idso**
*Climate Change Reconsidered*
*$39.00 Conference Special*

# CONFERENCE SPEAKERS

### Jerome Arnett, Jr., M.D.

Jerome Arnett, Jr., M.D. is a pulmonologist in private practice in Elkins, West Virginia. He is a policy advisor for The Heartland Institute, an adjunct scholar at the Competitive Enterprise Institute, and a scientific advisor to the American Council on Science and Health. He is a member of the editorial board of the *Journal of American Physicians and Surgeons*.

### Dennis Avery

Dennis Avery is an environmental economist and senior fellow of the Hudson Institute. He is co-author, with atmospheric physicist S. Fred Singer, of the *New York Times* best-seller, *Unstoppable Global Warming Every 1,500 Years* His forthcoming book will be titled *Climate & Collapse: Abrupt Climate Change Thru History*. It explains why most human societies have lasted fewer than 500 years. Welding existing archeology with new paleoclimatology, Avery shows the collapsed societies overwhelmingly failed during the Dansgaard-Oeschger cycle's cold phases. These "little ice ages" assailed their once-successful farming with colder, shorter, cloudier summers, untimely frosts, megadroughts, and violent storms.

### Joseph L. Bast

Joseph Bast is president and CEO of The Heartland Institute, a 28-year-old national nonprofit research center located in Chicago, Illinois. He is the author or editor of 21 books – including *Eco-Sanity: A Common-Sense Guide to Environmentalism* (1994), *Education & Capitalism* (2003), *Climate Change Reconsidered* (2009, 2011), and *The Patriot's Toolbox* (2010, rev. ed. 2011) – and publisher of six monthly newspapers sent to every national and state elected official and 8,400 county and municipal officials.

### Joe Bastardi

The co-chief forecaster at Weatherbell Analytics, Joe Bastardi is an institution in the science of weather prediction. Many companies across a multitude of industries, from energy to retail, have profited from his forecasts. His exceptional skills are rooted in a comprehensive understanding of global oscillations and in-depth analysis of historical weather patterns. Bastardi's analog approach, which finds similarities between current and historical weather patterns, allows him to make an accurate forecast, sometimes in defiance of computer model consensus. His reputation for making bold and accurate forecasts has landed him on major television programs including Fox News Live, The O'Reilly Factor, The Colbert Report, CBS's The Early Show, Imus in the Morning, and many others.

### Charles Battig, M.S., M.D.

Charles Battig is a retired physician with a postgraduate degree in electrical engineering. In the 1960s he served as principal scientist in bio-medical monitoring systems at North American Aviation Los Angeles in support of the Apollo Moon Mission. From 1967 to 1969, he held the rank of senior surgeon/commander in the U.S. Public Health Service at the National Institutes of Health, Bethesda, Maryland, in the biomedical engineering branch. Following teaching appointments in anesthesiology at UCLA and Mt. Sinai, New York, he entered the private practice of anesthesiology until retirement. After re-settling in the Charlottesville, Virginia area, he undertook to provide an alternate voice on climate change issues in the backyard of the University of Virginia, the former home of both Patrick Michaels and Michael Mann.

### Larry Bell

Larry Bell is professor of architecture and endowed professor of space architecture at the University of Houston, where he directs the Sasakawa International Center for Space Architecture (SICSA) and heads the Space Architecture Graduate Program. He writes for Forbes.com a weekly opinion column that addresses a variety of topics including energy, climate, environmental, and space policy issues. He is also the author of a book titled *Climate of Corruption: Politics and Power Behind the Global Warming Hoax*. He has cofounded several high-tech companies, including one that grew through mergers and acquisitions to employ more than 8,000 professionals and went public on the New York Stock Exchange.

### Robert (Bob) M. Carter, Hon. FRSNZ

Bob Carter is a research professor at James Cook University (Queensland). He is a marine geologist and environmental scientist with more than 30 years professional experience. He has held tenured academic staff positions at the University of Otago and James Cook University (Townsville), where he was professor and head of the School of Earth Sciences between 1981 and 1999. He is a former director of the Australian Office for the Ocean Drilling Program, the premier, world-best-practice, international research program for environmental and earth sciences. His research has been supported by grants from competitive public research agencies, especially the Australian Research Council, which in 1998 awarded him a Special Investigator grant. He receives no research funding from special-interest organizations such as environmental groups, energy companies, or government departments.

### Alan Carlin, Ph.D.

Alan Carlin retired in 2010 after more than 38 years as a senior analyst and manager at the U.S. Environmental Protection Agency in Washington, DC. Prior to joining EPA he was an economist at the RAND Corporation in Santa Monica, California. He holds a B.S. in physics from Caltech and a Ph.D. in economics from MIT. He has written about 35 professional papers in economics and the physical sciences, including more than ten on energy and/or climate change. In March 2009 he prepared a highly critical internal review of EPA's draft report on endangerment from greenhouse gases. That resulted in his reassignment to other research and an attempt to suppress his comments, but later attracted considerable press attention when made public in June 2009. In April 2011 he published a substantially revised version of portions of his review, expanded to include the economics of climate change control, in a peer-reviewed journal.

# CONFERENCE SPEAKERS

### Walter Cunningham

Walter Cunningham was in the final year of doctorate work in geophysics in 1963 when he was selected as a U.S. astronaut. He flew Apollo 7, the first manned Apollo spacecraft, in 1968. Since then, he has launched a venture capital fund (The Genesis Fund) and invested in 23 startup and early-stage technology companies. He is currently a consultant, author (*The All-American Boys*) and lecturer.

### Donn Dears

Dears began his career on General Electric's Test Engineering program, testing large steam turbines and generators used by utilities to generate electricity, followed by three years on GE's Manufacturing Management Program, where he worked in a variety of departments, including DC motors, small jet engines, naval ordnance, locomotive, distribution transformer, and medium steam turbine. This was followed by manufacturing and marketing assignments at the transformer division. Later he led an organization servicing GE products in the United States. Following his retirement as a GE senior executive, Dears continued to study and write about energy issues. He currently is president of TSAugust, a 501(c)(3) think tank comprised entirely of volunteers. He writes for www.tsaugust.org and www.powerforusa.com.

### Harold H. Doiron, Ph.D.

Hal Doiron is the retired vice president for engineering of InDyne, Inc. As a young physicist, he joined NASA-Houston in 1963 and developed the Apollo Lunar Module landing dynamics software used to guide landing gear design for toppling stability and energy absorption performance, to develop landing techniques, and to support landing site selection. He performed docking dynamics studies for the Skylab Program and led the Space Shuttle team that successfully eliminated unstable vibration coupling of the shuttle structural dynamics and rocket engine thrust oscillations. After his 16-year NASA career, Doiron spent nine years at Reed Tool Co. developing advanced energy exploration drilling technology as manager of technical services, manager of systems engineering, and director of the Diamond Products Division. While a senior manager at McDonnell Douglas Space Systems, his team computed the on-orbit vibration response of the International Space Station to dynamic events such as spacecraft docking, berthing, re-boost, and rocket plume impingement to define design limit loads and structural strength requirements. In retirement, Doiron is a consultant to NASA and commercial rocket developers.

### Paul Driessen, J.D.

Paul Driessen is senior policy adviser for the Committee For A Constructive Tomorrow (CFACT) and Congress of Racial Equality (CORE), public policy institutes that promote environmental stewardship, the enhancement of human health and welfare, and personal liberties and civil rights. He writes and speaks frequently on the environment, energy and economic development, malaria eradication, human rights, and corporate social responsibility. His book, *Eco-Imperialism: Green Power - Black Death*, documents the harm that restrictive environmental policies often have on poor people, especially in developing countries, by restricting their access to life-enhancing modern technologies. He was editor for *Energy Keepers - Energy Killers: The new civil rights battle*, by CORE National Chairman Roy Innis; *Rules for Corporate Warriors: How to fight and survive attack group shakedowns*, by Nick Nichols; and *Creatures, Corals and Colors in North American Seas*, by Ann Scarborough-Bull.

### John Droz, Ph.D.

John Droz received undergraduate degrees in physics and mathematics from Boston College and a graduate degree in physics from Syracuse University. He subsequently worked for GE: Aerospace Electronics (Utica, NY), Mohawk Data Sciences (Herkimer, NY), and Monolithic Memories (Cupertino, CA). After retiring at age 34 he began a 30+ year commitment as an environmental advocate. During that time he was a leading individual on New York state-wide issues (e.g. water quality and water extraction). Two areas of interest and expertise (science and the environment) have merged with his focus on energy matters, especially wind power. Droz's basic position is that we should be taking genuine science-based measures to solve our energy and environmental issues.

### John Dale Dunn, M.D., J.D.

John Dale Dunn is a 40-year physician, 32-year attorney who teaches emergency medicine as a member of the civilian contract faculty for the U.S. Army at Fort Hood, Texas. His opinions are his own and not attributable to the Army. He has served as a public health authority for Brown County, Texas and is a medical officer for the sheriff of Brown County. He is a policy advisor for the American Council on Science and Health and a writer and researcher in legal and medical, scientific, and policy matters.

### Don J. Easterbrook, Ph.D.

Don Easterbrook is professor emeritus of geology at Western Washington University. He holds B.S., M.S., and Ph.D. degrees from the University of Washington and has studied global climate change for five decades. He has written three textbooks and a dozen other books, published more than 185 papers in professional journals, and presented 30 research papers at international meetings in 15 countries. Since 2000, Easterbrook has published 18 peer-reviewed papers in professional scientific journals, providing detailed scientific data on recurring cyclical global climate changes and their correlation with cyclical oscillation of glaciers, oceanographic changes, global, decadal, climate cycles, ice cores, sea surface temperatures, and historic measurements. He has been president of the Quaternary Geology and Geomorphology Division of the Geological Society of America, chairman of the 1977 national Geological Society of America meeting, U.S. representative to the United Nations International Geological Correlation Program, associate editor of the *Geological Society of America Bulletin* for 15 years, associate editor of the *Geomorphology International Journal*, and director of field excursions for the 2003 International Quaternary Association Congress.

# CONFERENCE SPEAKERS

### Myron Ebell

Myron Ebell is director of the Center for Energy & Environment at the Competitive Enterprise Institute and president of Freedom Action, a Web-based grassroots activist group dedicated to putting freedom on the offensive. He also chairs the Cooler Heads Coalition—28 nonprofit groups (including The Heartland Institute) that oppose global warming alarmism and energy-rationing policies. *The Business Insider* named Ebell third on its list of the Ten Most-Respected Global Warming Skeptics. Seven Members of the British House of Commons introduced a resolution condemning him "in the strongest possible terms." Greenpeace featured him in its *Field Guide to Climate Criminals*. And *Rolling Stone* named him a top "Misleader" on global warming along with Senator James Inhofe and the late novelist Michael Crichton. Eric Pooley devoted a chapter of his 2010 book, *The Climate War*, to Ebell's talk at a previous Heartland ICCC. In discussing efforts to defeat cap-and-trade legislation, Professor Michael Mann said, "Ebell and his ilk were basically successful in delaying action by 10 years."

### Willis Eschenbach

Willis Eschenbach is an amateur scientist who has been researching, studying, and writing scientific studies and popular articles about climate science for the past 15 years. He is currently employed as a carpenter and house builder. In addition to publishing in various scientific journals, he writes regularly for Watts Up With That, which has been consistently voted as the best science blog on the Web.

### Stanley B. Goldenberg

Stanley B. Goldenberg is a research meteorologist with the Hurricane Research Division of the Atlantic Oceanic Meteorological Laboratory of the National Oceanic and Atmospheric Administration (HRD/AOML/NOAA) in Miami, Florida. His primary research is examining the various climatic factors that influence the variability of hurricane activity in the Atlantic from intraseasonal to multidecadal time scales. Goldenberg was the first author of the study published in *Science* establishing the fact that the Atlantic hurricane basin has entered a multidecadal-scale era of greatly increased hurricane activity. The paper was recognized with the Office of Oceanic and Atmospheric Research Outstanding Scientific Paper Award. He is on the team that produces NOAA's Seasonal Hurricane Outlooks for the Atlantic basin and was a co-recipient of NOAA's Bronze Medal for that work. He has participated in numerous research flights into and around hurricanes on NOAA's hurricane hunter aircraft, including flights into Hurricane Katrina (2005) as it made landfall on the Louisiana/Mississippi coast.

### Steve Goreham

Steve Goreham is a speaker, author, and researcher on environmental issues as well as an engineer and business executive. He is executive director of the Climate Science Coalition of America (CSCA), a non-political association of scientists, engineers, and citizens dedicated to informing Americans about the realities of climate science and energy economics. CSCA is the U.S. affiliate of the International Climate Science Coalition. Goreham is author of *Climatism! Science, Common Sense, and the 21st Century's Hottest Topic* and also the upcoming book *The Mad, Mad, Mad World of Climatism: Mankind and Climate Change Mania*. He holds an M.S. in electrical engineering from the University of Illinois and an M.B.A. from the University of Chicago and has more than 30 years' experience at Fortune 100 and private companies in engineering and executive roles.

### Laurence I. ("Larry") Gould, Ph.D.

Larry Gould is professor of physics at the University of Hartford and past chair (2004) of the New England Section of the American Physical Society. He is chairman of the executive board of the International Symmetry Association (based in Budapest). He has been studying the subject of anthropogenic global warming (AGW) for more than eight years. As co-editor of the American Physical Society's New England Section newsletter he has printed, beginning with the Fall 2007 issue (and continuing in every issue through the Spring 2012), both solicited and unsolicited articles critical of the methodology and the science of AGW. Gould has given many presentations on the topic, including a campus-wide talk at Princeton University and a presentation on Capitol Hill. He also has given a freshman seminar (at his school) devoted to a critical thinking approach to the topic of AGW.

### William M. Gray, Ph.D.

William Gray is an emeritus professor in the Department of Atmospheric Science at Colorado State University, where he has been since 1961. He has worked in the observational, forecasting, and theoretical aspects of meteorology for more than 50 years. He pioneered Atlantic basin seasonal hurricane forecasts, which he has been issuing (with colleagues) for the past 27 years. He has advised more than 50 successful M.S. graduates and 20 successful Ph.D. graduates. In recent years he has been researching the hypothesis of CO2-induced global warming and finds the influence of rising levels of CO2 has been grossly exaggerated.

### Kenneth Haapala

Trained as a quantitative economist, Kenneth Haapala has created and analyzed a diverse array of numerical models. For example, in 1977 he reported how government energy models used to predict the world would run out of oil and the U.S. out of natural gas by the end of the twentieth century were inappropriate for the task, and why. That was his last Federal government contract. For more than two years, Haapala has been executive vice president of the Science and Environmental Policy Project (SEPP) and writes the "This

# CONFERENCE SPEAKERS

Week" column of *The Week That Was* (TWTW), the bulletin of SEPP. Haapala was a contributor to the first two *Climate Change Reconsidered* reports of the Nongovernmental International Panel on Climate Change and twice has been elected president of the Philosophical Society of Washington—the oldest science society of that city.

### Tom Harris

Tom Harris is executive director of the science-based, nonpartisan group, the International Climate Science Coalition (ICSC). For the past three years he has lectured at Carleton University in Ottawa, Canada, where he taught a second-year Earth Sciences course — "Climate Change, an Earth Sciences Perspective." Harris's education was in thermo-fluids and energy sciences and he holds bachelor's and master's degrees in mechanical engineering. He has 35 years experience working as a mechanical engineer and project manager, science and technology communications professional, and media and science and technology advisor to a former opposition senior environment critic in Canada's federal Parliament. For the past 12 years Harris has been working intensively with a growing team of independent scientists and engineers to promote a sensible approach to a range of energy and environmental topics, climate change in particular. His main focus has been the highly controversial science underlying these issues.

### Howard Hayden

Howard Hayden, professor of physics emeritus in the Physics Department of the University of Connecticut, is editor of *The Energy Advocate*, a monthly newsletter promoting energy and technology. His research interests include ionic and atomic collisions, charge transfer, ionization, energy loss, energy-level crossings, ion-surface collisions, ion implantation, relativity considerations, and energy for society (fossil fuels, nuclear, hydro, wind, biomass, photovoltaics, solar heating). He is the author of, among other publications, *The Solar Fraud: Why Solar Energy Won't Run the World* (Vales Lake Publishing LLC, 2002, 2d edition 2005) and *A Primer on CO2 and Climate* (Vales Lake Publishing LLC, 2007).

### Roger Helmer, MEP

Roger Helmer is a member of the European Parliament and spokesman on industry and energy for the United Kingdom Independence Party (UKIP), currently the third-ranking party in U.K. opinion polls. First elected as a Conservative in 1999, and re-elected in 2004 and 2009, Helmer decided in March this year to switch from the Conservatives to UKIP, motivated in part by policy disagreements regarding the European Union but especially as he could no longer tolerate the Conservatives' position on climate and energy. UKIP is the only major U.K. political party that rejects climate alarmism and advocates an energy policy based primarily on nuclear, gas and coal. Helmer is a graduate of Cambridge University (mathematics, 1965) and before standing for election in 1999 enjoyed a successful 30-year international business career in the U.K., U.S., Europe, and Asia. He has worked, *inter alia*, for Procter & Gamble, Readers' Digest, National Semiconductor, and drinks giant Diageo. He has published a number of books including *Cool Thinking on Climate Change* and *Sceptic at Large*. He has attended previous Heartland climate conferences and has collaborated in the U.S. with the American Legislative Exchange Council and The Heritage Foundation.

### Christopher C. Horner, J.D.

Christopher C. Horner is a senior fellow at the Competitive Enterprise Institute, where he oversees petitions and litigation on topics including data access and quality laws, the Freedom of Information Act, government science and agency statutory compliance, and other legal matters involving environment and energy issues, international environmental treaties, and climate policy. He is the author of the *New York Times* bestseller *The Politically Incorrect Guide to Global Warming and Environmentalism* (Regnery, 2007). Greenpeace has repeatedly targeted Horner by stealing his garbage on a weekly basis, issuing press releases announcing with whom he is seen in the same room, and including him in various hysterical publications. In 2005, Cristina Narbona, Spain's Socialist Environment Minister, referred to Horner as "the devil" for demonstrating to audiences in Spain and other European Union nations how Europe is failing to meet its obligations under the Kyoto Protocol and why Europeans should abandon the doomed process.

### Craig D. Idso, Ph.D.

Craig D. Idso is the founder and former president of the Center for the Study of Carbon Dioxide and Global Change and currently serves as chairman of its board of directors. He has been involved in the global warming debate for many years and has published peer-reviewed scientific articles on issues related to data quality, the growing season, the seasonal cycle of atmospheric CO2, world food supplies, coral reefs, and urban CO2 concentrations, the latter of which he investigated via a National Science Foundation grant as a faculty researcher in the Office of Climatology at Arizona State University. Since 1998, he has been the editor and a chief contributor to the online magazine *CO2 Science*. He is the author of four books and has produced three video documentaries. He is a former director of environmental science at Peabody Energy in St. Louis, Missouri and a member of the American Association for the Advancement of Science, American Geophysical Union, American Meteorological Society, Arizona-Nevada Academy of Sciences, Association of American Geographers, Ecological Society of America, and The Honor Society of Phi Kappa Phi.

# CONFERENCE SPEAKERS

**Václav Klaus, Ph.D.**

Václav Klaus is president of the Czech Republic, first elected in February 2003. An economist by education, he was worked in research at the Institute of Economics of the Czech Academy of Sciences, the Czechoslovak State Bank. He has held academic posts at the Forecasting Institute of the Czech Academy of Sciences, Charles University, and the Prague School of Economics. In 1989, he began his political career as Federal Minister of Finance. He has also served as Deputy Prime Minister of the Czecho-Slovak Federation; chairman of the Civic Forum; and co-founder and chairman of the Civic Democratic Party. He became prime minister of the Czech Republic in 1992, and in that role took part in the peaceful division of Czechoslovakia and the foundation of an independent Czech Republic. In 1996, he successfully defended his position as prime minister in the elections to the Chamber of Deputies, but he resigned after the break-up of the government coalition in November 1997. After the early elections of 1998, he became chairman of the Chamber of Deputies for a four-year term of office. He has published more than 20 books on general social, political and economics subjects and holds a number of international awards and honorary doctorates from universities all over the world.

**Richard A. Keen, Ph.D.**

Richard A. Keen is instructor emeritus at the University of Colorado and a meteorologist who has taught classes and researched climate change, weather, and severe storms at the University of Colorado, National Center for Atmospheric Research, National Oceanic and Atmospheric Administration, National Park Service, Juneau (Alaska) Ice Field Research Program, and the U.S. Army. He is the author or co-author of more than a dozen books, including *Skywatch West: The Complete Weather Guide* and *The Audubon Society Pocket Guide to Clouds and Storms*. His research papers on climate topics (such as el Niño, glaciers, arctic climate change, and volcanoes) have been published in major journals, including *Science*, *Monthly Weather Review*, *Journal of Climate*, *Annals of Glaciology*, *Geophysical Monographs*, *Bulletin of the Global Volcanism Network*, and *International Comet Quarterly*. He is currently an expert reviewer for the International Panel on Climate Change (IPCC) Fifth Climate Assessment Report.

**Madhav L. Khandekar, Ph.D.**

Madhav Khandekar is a former research scientist from Environment Canada and is presently on the editorial board of the international journal *Natural Hazards* (Kluwer, Netherlands). He has been in weather and climate science for more than 54 years and has authored or co-authored more than 150 papers, reports, book reviews, and scientific commentaries. While at Environment Canada, Khandekar wrote a book on ocean surface wave analysis and modeling, published by Springer-Verlag in 1989. He has extensively analyzed world-wide extreme weather events and their possible link to global warming and climate change. He was an expert reviewer for the Intergovernmental Panel on Climate Change's 2007 report. He continues his research on global weather anomalies, climate change, and Indian Monsoon interannual variability.

**Jay H. Lehr, Ph.D.**

Jay H. Lehr is senior fellow and science director of The Heartland Institute. He is an internationally renowned speaker, scientist, and author who has testified before Congress on more than three dozen occasions on environmental issues and consulted with nearly every agency of the federal government and with many foreign countries. He is the author of more than 400 magazine and journal articles and 12 books. He is editor of *Rational Readings on Environmental Concerns*, McGraw-Hill's *Handbook on Environmental Science, Health and Technology* (2000), Wiley's *Remediation Technologies Handbook* (2004), *Environmental Instrumentation and Analysis Handbook* (2005), and the five-volume *Water Encyclopedia* (Wiley Interscience, 2005). He is currently at work on a multi-volume *Energy Encyclopedia* for Wiley. Lehr has spoken before more than 1,000 audiences on topics ranging from global warming and biotechnology to business management and health and physical fitness.

**Craig Loehle, Ph.D.**

Craig Loehle works for the National Council for Air and Stream Improvement, a wood products industry research non-profit. He has served on many international science advisory panels and boards and has been a keynote speaker at many meetings. He has published 140 papers on forestry, basic ecology, statistics, modeling, and biodiversity. Of these, 28 are on climate change and the impacts of climate change. He received his Ph.D. from Colorado State University in 1982 in natural resource management with a specialty in ecological modeling.

**Sebastian Lüning, Ph.D.**

Sebastian Lüning holds a doctorate in geology/paleontology and has been working for 20 years on the reconstruction of natural ecological changes of the geological past. After research at the Universities of Wales, London, Manchester, and Bremen, he took on a visiting professorship at the University of Vienna in 2005/2006. He has received several awards for his university studies and academic research. Since 2007 Lüning has been working as Africa expert with an oil and gas company. Together with Prof. Fritz Vahrenholt he co-authored the book *Die kalte Sonne* (The Cold Sun), which was published in Germany in February 2012 and highlights the important role of natural climate cycles in past and current climate change. Planning for an English version of the book is underway. In their blog at www.kaltesonne.de Lüning and Vahrenholt review on a daily basis new scientific papers and other developments in the climate discussion.

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### Anthony R. Lupo, Ph.D.

Anthony R. Lupo is professor and chair of atmospheric sciences in the Soil, Environmental, and Atmospheric Sciences Department at the University of Missouri - Columbia. His research has been in the areas of large-scale atmospheric dynamics, climate dynamics, and climate change and he has published several peer-reviewed articles in each of these areas. He edited and contributed to the book *Recent Hurricane Research: Climate, Dynamics, and Societal Impacts* (2011). He has been a member of the American Meteorological Society since 1987 and the National Weather Association since 2000. He was a Fulbright Scholar during the summer of 2004 to Russia, studying climate change at the Russian Academy of Sciences in Moscow. He has served as an expert reviewer and/or contributing author to the Intergovernmental Panel on Climate Change assessment report as well as the Nongovernmental International Panel on Climate Change. His other professional associations include the American Geophysical Union, Sigma Xi, Gamma Sigma Delta, and the Missouri Academy of Science. In 2010, he became an AMS Certified Consulting Meteorologist.

### Patrick J. Michaels, Ph.D.

Patrick J. Michaels is senior fellow in environmental studies at the Cato Institute and a senior research fellow for policy and economic development at George Mason University. He is a past president of the American Association of State Climatologists and was program chair for the Committee on Applied Climatology of the American Meteorological Society. He was also a research professor of Environmental Sciences at University of Virginia for 30 years. He is a contributing author and reviewer of the United Nations Intergovernmental Panel on Climate Change, and his writings are published extensively in major scientific journals. He was an author of the climate "paper of the year" awarded by the Association of American Geographers in 2004. He is the author of four books and editor and contributor to two others; the most recent is *Climate Coup: Global Warming's Invasion of our Government and our Lives*, published in 2011.

### Marc Morano

Marc Morano is executive editor and chief correspondent for the award-winning ClimateDepot.com, a global warming and eco-news center founded in 2009. He and the Web site have attracted the attention of a wide range of media outlets, including *Grist, Newsweek, Rolling Stone*, the *Washington Post*, *New York Times*, and *Esquire*. In 2010, Morano received the Accuracy in Media journalism award for his key role in reporting on the global warming Climategate scandal. In June 2011, Climate Depot received yet another award at The Heartland Institute's Sixth International Climate Conference in Washington, DC. Prior to Climate Depot, Morano served for three years as a senior advisor, speechwriter, and climate researcher for Inhofe and managed the award-winning communication operations of the GOP side of the Senate Environment and Public Works Committee. He joined the committee as the majority communications director in June 2006 after a decade and a half as a working journalist, documentary maker, radio talk show host, and national television correspondent.

### Julian Morris

Julian Morris is vice president for research at the Reason Foundation, a non-profit think tank advancing free minds and free markets, and a visiting professor at the University of Buckingham. He has degrees in economics and law and is the author of dozens of scholarly articles and the editor of several books, including *Sustainable Development: Promoting Progress or Perpetuating Poverty* (Profile Books, 2002). His research focuses on the relationship between institutions, economic development, and environmental protection. Before joining Reason, he was executive director of the International Policy Network (www.policynetwork.net), which he co-founded. Before that, he ran the environment and technology programme at the Institute of Economic Affairs.

### Harrison Schmitt, Ph.D.

Harrison "Jack" Schmitt is an American geologist and a former NASA astronaut, university professor, and U.S. Senator. He is the twelfth and last person to walk on the Moon; he and his crewmate Eugene Cernan were the last two to walk there. Cernan was the last person to walk on the moon (when they left), but Schmitt was the last person to leave the lunar module and step on the moon (when they arrived). In August 1975, Schmitt resigned from NASA to seek election as a Republican to the United States Senate representing New Mexico. He served one term and, notably, was the ranking Republican member of the Science, Technology, and Space Subcommittee. Since his Senate term, he has been a consultant in business, geology, space, and public policy. Schmitt is chair of the NASA Advisory Council, whose mandate is to provide technical advice to NASA Administrator Michael D. Griffin. Schmitt is an adjunct professor of engineering physics at the University of Wisconsin-Madison. He is the founder and serves as chairman of Interlune Intermars Initiative Inc., an organization whose goal is to advance the private sector's acquisition and use of lunar resources.

### Tom V. Segalstad, Ph.D.

Tom Segalstad is associate professor of resource and environmental geology at the University of Oslo, Norway. He has for many years been head of the University's Geological Museum and also head of the University's Natural History Museum and Botanical Garden. He has conducted research and teaching at the University of Oslo and Pennsylvania State University in geochemistry, resource and environmental geology, mineralogy, volcanology, and geophysics. He has been an expert reviewer for the Intergovernmental Panel of Climate Change and was one of the contributors to *Climate Change Reconsidered: The 2009 Report of the Nongovernmental International Panel on Climate Change*. His Web site is www.CO2web.info.

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### Hon. Jim Sensenbrenner

Jim Sensenbrenner represents the Fifth Congressional District of Wisconsin. He has been an active leader in Congress on climate change and energy policy, including a four-year stint as chairman of the House Science Committee, where he solidified his reputation as an independent leader on science and environmental issues, as well as oversight. In 1997, during his tenure as the Science Committee chairman, he led the Congressional delegation to the Kyoto climate change treaty negotiations. From 2007 to 2010, Sensenbrenner served as the Ranking Republican on the House Select Committee for Energy Independence and Global Warming. He advanced common-sense ideas to confront climate change and increase American energy security, instead of schemes like "cap and tax" that would raise taxes and increase regulation. Sensenbrenner is also the former chairman of the Judiciary Committee, and as a long-serving committee member, has established a strong record on crime, intellectual property, and constitutional issues. Sensenbrenner's current committee assignments include serving as vice chairman of the Committee on Science, Space, and Technology, where he sits on the Space and Aeronautics and the Investigations and Oversight subcommittees. He also serves on the Committee on the Judiciary. He is chairman of the Crime, Terrorism and Homeland Security Subcommittee and also serves on the Intellectual Property, Competition, and the Internet Subcommittee.

### Nir J. Shaviv, Ph.D.

Nir J. Shaviv is a member of the Racah Institute of Physics in the Hebrew University of Jerusalem. His research interests cover a wide range of topics in astrophysics. Most are related to the application of fluid dynamics, radiation transfer, or high-energy physics to a wide range of objects from stars and compact objects to galaxies and the early universe. His studies on the possible relationships between cosmic rays' intensity and the Earth's climate, and the Milky Way's Spiral Arms and Ice Age Epochs on Earth, were widely echoed in the scientific literature, as well as in the general press.

### S. Fred Singer, Ph.D.

Dr. S. Fred Singer, an atmospheric and space physicist, is founder and president of the Science and Environmental Policy Project, coauthor of *Unstoppable Global Warming: Every 1500 Years* and *Climate Change Reconsidered*, and professor emeritus of environmental sciences at the University of Virginia. He is one of the world's most respected and widely published experts on climate. He has held positions with the Institute for Space Science and Technology, National Advisory Committee for Oceans and Atmosphere, U.S. Environmental Protection Agency, and U.S. Department of the Interior. He was founding dean of the School of Environmental and Planetary Sciences, University of Miami; first director of the National Weather Satellite Service; and director of the Center for Atmospheric and Space Physics, University of Maryland. He has published more than 200 technical papers in peer-reviewed scientific journals and is author, coauthor, or editor of more than a dozen books and monographs. He is an elected Fellow of the American Association for the Advancement of Science (AAAS), American Geophysical Union, American Physical Society, and American Institute for Aeronautics and Astronautics. In 1997, NASA presented Dr. Singer with a commendation and cash award "for important contributions to space research."

### Willie Soon, Ph.D.

Willie Soon is both an astrophysicist and a geoscientist based in Cambridge, Massachusetts. He is the receiving editor in the area of solar and stellar physics for the journal *New Astronomy*. He writes and lectures both professionally and publicly on important issues related to the sun, other stars, and the Earth as well as general science topics in astronomy and physics. He is author of *The Maunder Minimum and the Variable Sun-Earth Connection*. Soon was recognized with an award for detailed scholarship on biogeological and climatic change over the past 1,000 years by the Smithsonian Institution. In 2004, he was presented with the Petr Beckmann Award by Doctors for Disaster Preparedness for "courage and achievement in defense of scientific truth and freedom." The views expressed by Willie Soon are strictly his and do not reflect those of any institutions with which he may be affiliated.

### H. Leighton Steward

H. Leighton Steward is chairman of the PlantsNeed CO2 and CO2 Is Green non-profit corporations and the Institute for the Study of Earth and Man at Southern Methodist University. He is a geologist, environmentalist, author, and former energy industry executive. He has written on the loss of the Mississippi River wetlands system, global climate change, and nutrition and health. He represented the energy industry on presidential missions to the former Soviet Union and Turkey (George H.W. Bush) and to Pakistan (Clinton) . He is on the boards or boards of visitors of the Southwest Research Institute, M.D. Anderson Cancer Center, EOG Resources, and the Buffalo Bill Historical Center. Steward has been presented with many environmental awards including a prestigious EPA environmental excellence award; was twice chairman of the Audubon Nature Institute; and chairman of the National Wetlands Coalition for ten years. His current interests are in educating lawmakers and the general public on the tremendous benefits of carbon dioxide for the plant and animal kingdoms as well as the misplaced blame on CO2 in causing global climate change.

### Brian Sussman

For 20 years Brian Sussman was the San Francisco Bay Area's top television meteorologist and science reporter. His accolades include nearly two dozen state and regional awards for "Best Weathercast" from the Associated Press and Radio-TV News Directors Association, a handful of Emmys, and an award of merit from the National Education Association. The state of California and the city of San Francisco honored him with a "Brian Sussman Day." During the 1990s Sussman served as the fill-in weatherman on the nationally broadcast CBS Morning Show. In 2003, he joined KSFO, the top-talker in San Francisco. He also is a regular substitute host on the nationally syndicated Mark Levin Show. Sussman's book, *Climategate: A Veteran Meteorologist Exposes The Global Warming Scam*, was released on Earth Day 2010 in conjunction with an appearance on the Sean Hannity television show. The book became an overnight bestseller. His second book, *Eco-Tyranny*, hit the bookstores April 17, 2012.

# CONFERENCE SPEAKERS

### James M. Taylor, J.D.

James M. Taylor is managing editor of *Environment & Climate News*, a national monthly publication devoted to sound science and free-market environmentalism with a circulation of approximately 75,000 readers. He is also senior fellow for The Heartland Institute focusing on environmental issues. Taylor is author of "What Climate Scientists Think about Global Warming" (Heartland Institute, 2007) and coauthor of "State Greenhouse Gas Programs: An Economic and Scientific Analysis" (Heartland Institute, 2003) and "New Source Review: An Evaluation of EPA's Reform Recommendations" (Heartland Institute, 2002). He is a widely sought-after speaker and radio and television commentator, and his writing on environmental issues has appeared in top-circulation newspapers across the U.S.

### Richard Trzupek

Richard J. Trzupek is a chemist who has been employed as an environmental consultant to industry for more than 25 years. He specializes in air quality issues, has worked for several Fortune 500 companies, has participated in the development of environmental legislation and regulation and is currently principal consultant at Mostardi Platt Environmental, a consulting and engineering firm based in Oak Brook, Illinois. Trzupek's commentaries have appeared in a variety of regional and national publications, including The Chicago Tribune, Crain's Chicago Business and Reuters. He blogs at frontpagemag.com, threedonia.com and at Andrew Breitbart's "Big" sites. He is the author of Regulators Gone Wild: How the EPA Is Ruining American Industry (Encounter Books, 2011).

### Anthony Watts

Anthony Watts is a 25-year broadcast meteorology veteran and currently chief meteorologist for KPAY-AM radio. He got his start as on-air meteorologist for WLFI-TV in Lafayette, Indiana and at KHSL-TV in Chico, California. In 1987, he founded ItWorks, which supplies broadcast graphics systems to hundreds of cable television, television, and radio stations nationwide. ItWorks supplies custom weather stations, Internet servers, weather graphics content, and broadcast video equipment. In 2007, Watts founded SurfaceStations.org, a Web site devoted to photographing and documenting the quality of weather stations across the United States.

### Todd Wynn

Todd Wynn is the Energy, Environment and Agriculture Task Force director with the American Legislative Exchange Council. Before joining ALEC, Wynn was vice president of Cascade Policy Institute, a public policy research organization in Oregon. While at Cascade, he worked with legislators to develop freedom-oriented, less-burdensome energy policy and presented to citizens and activist groups on the proper role of government in regards to energy and other environmental policies. He has published more than 75 articles and reports on energy and environmental policy issues and spoken to hundreds of civic and activist groups and conferences across the Pacific Northwest and the nation.

### Thomas Wysmuller

Thomas Wysmuller trained as a meteorologist at New York University and at the Royal Dutch Weather Bureau in Amsterdam. He then worked for five years throughout NASA before, during, and after the moon landings. He is routinely invited back to give science and meteorology lectures at NASA Field Centers. The polynomial regression mathematics, algorithms, or code that Wysmuller personally produced after leaving NASA are being used by virtually every climate scientist on the planet, either embedded in their models or used in their analysis. He was highlighted in *Horizons*, the American Institute for Aeronautics and Astronautics' special issue for NASA's 50th anniversary. After leaving the agency, he applied his NASA management skills to help turn around the internal operations of one of the nation's premier insurance companies, saving thousands of careers in the process. Wysmuller continues lecturing on the meteorology of climate all over the world and has done so for more than a decade. Millions follow his accurate meteorological forecasts annually. He predicted, on New York region environmentally oriented radio programs, both the heavy North American snows of 2010–11 and the light snows of 2011–12.

# CONFERENCE COSPONSORS

**60 PLUS ASSOCIATION**
**www.60plus.org**
The 60 Plus Association is a 20-year-old organization working for death tax repeal, lowering energy costs, and saving Social Security and Medicare. 60 Plus calls on support from more than 7.1 million activists and has been called "an increasingly influential senior citizen's group."
Contact: Laura Clauser, info@60plus.org

**ACTON INSTITUTE**
**www.acton.org**
The Acton Institute is a non-profit research organization dedicated to the study of free-market economics informed by religious faith and moral absolutes.
Contact: Katherine Harger, kharger@acton.org

**AFRICAN CENTRE FOR ADVOCACY AND HUMAN DEVELOPMENT**
**www.african-advocacygrp.org**
The African Centre for Advocacy and Human Development in Nigeria is an independent, non-governmental organization that was established in January 2002 to reflect the general needs of African people. ACAHD engages local communities to achieve a range of objectives, including promotion of free and private enterprise, human rights, democratic ethics and values; teach courses designed to emphasize the significance of peace for social and human development; and encourage and strongly support efforts to further integrate the basic principles of free legal services with social and human development. The organization also conducts research and offers training activities and informational exchange with other non-governmental organizations and supports collaborative projects that focus on women's empowerment and seek to establish women's activism within a wider policy.
Contact: Paul Adepelumi, advocacygrp@yahoo.co.uk

**ALTERNATE SOLUTIONS INSTITUTE**
**www.asinstitute.org**
Alternate Solutions Institute, the first free market think tank of Pakistan, is a registered, non-profit, non-political, non-governmental, educational and research organization. Its mission is to promote a limited responsible government in Pakistan under the rule of law protecting life, liberty, and property of all of its individual citizens without any discrimination.
Contact: Khalil Ahmad, info@asinstitute.org

**AMERICAN CONSERVATIVE UNION**
**www.conservative.org/**
The American Conservative Union is America's oldest and largest grassroots conservative organization. Founded in 1964, ACU represents the views of Americans who are concerned with economic growth through lower taxes and reduced government spending and the issues of liberty, personal responsibility, traditional values and national security.
Contact: Elssa Giordano, egiordano@conservative.org

**AMERICANS FOR PROSPERITY FOUNDATION**
**www.americansforprosperity.org/foundation**
Americans for Prosperity Foundation (AFP Foundation) is committed to educating citizens about the value of limited government and a free market economy. AFP Foundation's educational programs and analyses help policymakers, the media and individual citizens understand why policies that promote the American enterprise system are the best method to ensuring prosperity for all Americans.

**AMERICANS FOR TAX REFORM**
**www.atr.org**
Americans for Tax Reform opposes all tax increases as a matter of principle. We believe in a system in which taxes are simpler, flatter, more visible, and lower than they are today. The government's power to control one's life derives from its power to tax. We believe that power should be minimized.
Contact: Chris Prandoni, cprandoni@atr.org

**AMERICAN TRADITION INSTITUTE**
**www.atinstitute.org**
The American Tradition Institute is a public policy research and educational foundation – a "think tank" – founded in 2009 to help lead the national discussion about environmental issues, including air and water quality and regulation, responsible land use, natural resource management, energy development, property rights, and free-market principles of stewardship.
Contact: Tom Tanton, tom.t@atinstitute.org

**AUSTRALIAN LIBERTARIAN SOCIETY**
**libertarian.org.au**
The Australian Libertarian Society is a central portal for libertarian information in Australia. Active since 2000, the ALS provides regular commentary, hosts occasional events around Australia, contributes submissions to government, and hosts the Australian Political Quiz.
Contact: John Humphreys, john.humphreys99@gmail.com

**AUSTRALIAN TAXPAYERS' ALLIANCE**
**www.taxpayers.org.au**
The Australian Taxpayers' Alliance is a unique grassroots advocacy & activist organization, dedicated to standing up for hardworking Australian taxpayers against special-interest groups. We oppose the high taxes, wasteful spending, and crippling red tape that are hurting Australian families and businesses, and we provide a voice for everyone who opposes the big-government agenda.
Contact: Tim Andrews, tandrews@taxpayers.org.au

**AUSTRIAN ECONOMICS CENTER**
**www.austriancenter.com**
The Austrian Economics Center promotes the ideas of the Austrian School of Economics as a viable economic alternative in Austria and elsewhere not only by means of a public think tank but also as an academic institute. Its main goal is to help create a free, responsible society. Furthermore the institute, which is based in Vienna, takes up topical questions concerning economic and social politics and offers studies and solutions on a scientific basis and wants to improve public understanding of the key economic questions to promote a free society. It closely cooperates with similar institutions and helps organize international conferences, e.g. the Free Market Road Show. It is politically independent.
Contact: Christian Carr, c.carr@austriancenter.com

# CONFERENCE COSPONSORS

**AYN RAND CENTER FOR INDIVIDUAL RIGHTS**
**www.aynrandcenter.org**
The Ayn Rand Center for Individual Rights, located in Washington, DC, is the public outreach and policy division of the Ayn Rand Institute, a non-profit organization, and promotes the principles of reason, rational self-interest, individual rights (i.e., the rights to life, liberty and the pursuit of happiness), and laissez-faire capitalism to the widest possible audience.
Contact: Lin Zinser, lzinser@aynrandcenter.org

**BEACON HILL INSTITUTE**
**www.beaconhill.org**
The Beacon Hill Institute is a world-renowned learning and research center that develops and performs innovative economic and statistical analyses of current and emerging public policy issues. It aims to strengthen that function by providing local, state, national, and international research entities with state-of-the-art tools and economic analyses, partnering with a Ph.D.-granting department of economics, and expanding its reputation for providing objective analysis to examine and influence public policy.
Contact: Paul Bachman, pbachman@beaconhill.org

**BERLIN MANHATTAN INSTITUTE FOR FREE ENTERPRISE**
**http://www.berlinmanhattan.org/en**
The Berlin Manhattan Institute for Free Enterprise (BMI) is Germany's free market think tank and successor to the Institute for Free Enterprise (IUF). The BMI is named for two metropolitan regions that jointly represent an integrated and free world view in which national borders become more and more insignificant. The BMI advocates policies that promote entrepreneurial initiative, creativity, innovation and competition. Consistent with our liberal philosophy we do not accept government contracts or funding and are supported by private contributions only.
Contact: Wolfgang Müller, wolfgang@iuf-berlin.org

**CAPITAL RESEARCH CENTER**
**www.capitalresearch.org**
Capital Research Center studies the politics of philanthropy with special attention given to left-wing advocacy groups and their funders. Our mission is to Educate and Expose. We educate conservative donors, policymakers, and the news media about what's needed to achieve a free society, and we expose the agenda of groups that use the power of government to benefit special interests.
Contact: Matt Patterson, mpatterson@capitalresearch.org

**CARBON SENSE COALITION**
**http://carbon-sense.com**
The Carbon Sense Coalition is a voluntary group of people concerned about the extent to which carbon is wrongly vilified in Western societies, particularly in government, the media, and in business circles. We aim to restore balance and reason to the carbon debate, and to explain and defend the key role of carbon in production of most of our energy for heat, light, and transportation, and all of our food.
Contact: Viv Forbes, vforbes@bigpond.com

**CATHAY INSTITUTE FOR PUBLIC AFFAIRS**
**www.cipacn.org**
As a nongovernmental liberal think-tank, the Cathay Institute for Public Affairs aims to promote and protect individual freedom, and to promote pro-market economic and political reforms in China. It stands for a free democracy, a limited government, a market economy, and a large civil society. CIPA holds independent voices on public policies and affairs in Chinese press and media. It implements a civic education program to contribute on its part to a pluralized civic education in China. CIPA also advises government and people, other think-tanks, entrepreneurs and other groups in the society on public policies and affairs in China.
Contact: Xingyuan Feng, fengxingyuan1@gmail.com

**CENTER FOR THE DEFENSE OF FREE ENTERPRISE**
**www.cdfe.org**
Founded in 1976, the center has defended individual liberties, free markets, property rights, and limited government in the courts, in Congressional testimony, and watch-dogging the bureaucracy. Its book publishing arm, the Free Enterprise Press, and its investigative website, The Left Tracking Library, produce vital information for public benefit. We maintain alliances with leading organizations including The Heartland Institute and its outstanding International Conference on Climate Change.
Contact: Ron Arnold, arnold.ron@gmail.com

**CENTER FOR INDUSTRIAL PROGRESS**
**www.industrialprogress.net**
The Center for Industrial Progress is a for-profit think-tank that offers a positive alternative to the anti-industrial Green movement. CIP pursues its mission through thought-leading content, high-impact messaging, and world-class training for a new generation of industrial advocates.
Contact: Alex Epstein, alex@industrialprogress.net

**CENTER FOR THE STUDY OF CARBON DIOXIDE AND GLOBAL CHANGE**
**www.co2science.org**
The Center for the Study of Carbon Dioxide and Global Change provides regular commentary and original research in the world-wide scientific quest to determine the climatic and biological consequences of the ongoing rise in the air's CO2 content, publishing material weekly in its CO2 Science magazine. The center also partners with The Heartland Institute and the Science and Environmental Policy Project to produce the official reports of the Nongovernmental International Panel on Climate Change.
Contact: Craig Idso, cidso@co2science.org

**CITIZENS' ALLIANCE FOR RESPONSIBLE ENERGY**
**www.responsiblenergy.org**
The Citizens' Alliance for Responsible Energy is a 501(c)(3) organization devoted to educating the public about the need to guarantee our access to the affordable energy that drives our nation forward.
Contact: Marita Noon, marita@responsiblenergy.org

# CONFERENCE COSPONSORS

**CLIMATE REALISTS**
**climaterealists.com**
We like to think that we live in a new world of scientific reasoning and understanding, but in reality we still find ourselves locked in an old world of superstition and ignorance. ClimateRealists.com supports The Heartland Institute's Seventh International Conference on Climate Change in the hope that it can spread the word of scientific reasoning and put an end to scientific ignorance.
Contact: Gabriel Rychert, gabrielrychert@aol.com

**COMMITTEE FOR A CONSTRUCTIVE TOMORROW**
**www.cfact.org**
Founded in 1985, CFACT strongly believes that the power of the market combined with the applications of safe technologies could offer humanity practical solutions to many of the world's pressing concerns. With an impressive scientific advisory board, aggressive collegiate program, CFACT Europe, United Nations representation, Adopt-A-Village project, Global Social Responsibility program, and "Just the Facts" national radio commentary, CFACT continues to offer positive solutions to today's global challenges.
Contact: Christina Wilson, cwilson@cfact.org

**COMPETITIVE ENTERPRISE INSTITUTE**
**www.cei.org**
The Competitive Enterprise Institute is a non-profit public policy organization dedicated to advancing the principles of limited government, free enterprise, and individual liberty. Our mission is to promote both freedom and fairness by making good policy good politics. We make the uncompromising case for economic freedom because we believe it is essential for entrepreneurship, innovation, and prosperity to flourish.
Contact: Myron Ebell, mebell@cei.org

**DOCTORS FOR DISASTER PREPAREDNESS**
**ddponline.org**
Doctors for Disaster Preparedness was founded in 1983 to promote preparedness for all disasters, including terrorism and war. We work to debunk bad science that undermines our economy and national security.
Contact: Dr. Jane Orient, janeorientmd@gmail.com

**ECONOMIC THINKING**
**www.economicthinking.org**
Economic Thinking directs programs for high school, home-school, and college students. Economic Thinking seminars and guest talks were attended by more than 4,000 students in 2009. A full semester curriculum, Economics In A Box, is now taught in some 200 home-school cooperatives and families. LibertyFlix.org highlights dramatic and documentary films on freedom.
Contact: Gregory Rehmke, grehmke@gmail.com

**ENERGY MAKES AMERICA GREAT INC.**
**www.EnergyMakesAmericaGreat.org**
Energy Makes America Great Inc. and its companion educational organization, the Citizens' Alliance for Responsible Energy (CARE), educate the public and influence policy makers regarding energy, its role in freedom, and the American way of life. Combining energy, news, politics, and, the environment through public events, speaking engagements, and media, the organizations' combined efforts serve as America's voice for energy.
Contact: Marita Noon, marita@responsiblenergy.org

**EUROPEAN INSTITUTE FOR CLIMATE AND ENERGY**
**www.eike-klima-energie.eu**
The European Institute for Climate and Energy (EIKE) is Europe's largest skeptic organization and based in Germany. Its annual International Conference on Climate and Energy – this year in Munich – is the largest climate conference second only to The Heartland Institute's International Conference on Climate Change in the USA.
Contact: Dr. Holger Thuss, holger.thuss@tvrgroup.de

**FREEDOM FOUNDATION OF MINNESOTA**
**http://freedomfoundationofminnesota.com/**
The Freedom Foundation of Minnesota is an independent, non-profit educational and research organization that actively advocates the principles of individual freedom, personal responsibility, economic freedom, and limited government. By focusing on some of the most difficult public policy issues facing Minnesota, we seek to foster greater understanding of the principles of a free society among leaders in government, the media, and the citizenry. Founded in 2006, we hope to create a better and more vibrant future for every Minnesotan by helping shape sound public policy. We will accomplish this important goal by tackling issues important to every Minnesotan and providing real-time, proven research and policy alternatives to help further the debate.
Contact: Annette Meeks, annettemeeks@gmail.com

**FREE TO CHOOSE NETWORK**
**www.freetochoose.net**
Free To Choose Network's goal is to translate the excellent scholarship of think tanks and independent scholars into engaging video presentations of easily remembered stories, phrases, and images. Seen by young people, whose natural passion is for change and freedom, these will become life-long reminders; think of them as awareness triggers, of the tug of war between freedom and government and the constant need to rein in the latter to preserve the former.
Contact: Amanda Pierson, amanda.pierson@freetochoose.net

**FRONTIER CENTRE FOR PUBLIC POLICY**
**www.fcpp.org**
The Frontier Centre for Public Policy is an independent public policy institute based in western Canada. Its mission is to develop and popularize policy choices that will help Canada's three Prairie Provinces live up to their vast but unrealized economic potential. Its work is organized around more than a dozen project areas including its Smart Green project, which explores how to solve environmental problems without reducing human freedom.
Contact: Peter Holle, hollep@fcpp.com

# CONFERENCE COSPONSORS

**FRONTIERS OF FREEDOM**
**www.ff.org**
Frontiers of Freedom Institute was founded in 1994 by U.S. Senator Malcolm Wallop. FOF is an educational institute (or think tank) whose mission is to promote conservative public policy based on the principles of individual freedom, peace through strength, limited government, free enterprise, and traditional American values as found in the Constitution and the Declaration of Independence.
Contact: George Landrith, gl@ff.org

**GRASSROOT INSTITUTE OF HAWAII**
**new.grassrootinstitute.org**
The mission of the Grassroot Institute of Hawaii is to promote individual liberty, the free market, and limited accountable government. Through research papers, policy briefings, commentaries, and conferences, the institute seeks to educate and inform Hawaii's policymakers, news media, and the general public.
Contact: Cody Hensarling, info@grassrootinstitute.org

**HERITAGE FOUNDATION**
**www.heritage.org**
The Heritage Foundation is a research and educational institution – a think tank – whose mission is to formulate and promote conservative public policies based on the principles of free enterprise, limited government, individual freedom, traditional American values, and a strong national defense. Our vision is to build an America where freedom, opportunity, prosperity, and civil society flourish.
Contact: Robert Gordon, robert.gordon@heritage.org

**ICEAGENOW**
**www.iceagenow.info**
IceAgeNow maintains that our climate is driven by natural cycles, not humans. We fear that one of those cycles – the Milankovitch Cycle – is leading us into the next ice age right now, and that this global warming nonsense – err, "climate change" – will leave us blindsided and unprepared.
Contact: Robert Felix, rwfelix@juno.com

**ILLINOIS COAL ASSOCIATION**
**www.ilcoalassn.com**
The Illinois Coal Association is the professional trade organization responsible for the promotion of Illinois coal. The ICA represents the coal industry in Illinois in governmental affairs, public relations, and related matters. The ICA is a not-for-profit corporation established in 1878, comprised of Illinois coal companies, operating under policies set by the organization's board of directors.
Contact: Phil Gonet, philgonet@springnet1.com

**INDEPENDENT INSTITUTE**
**www.independent.org**
The Independent Institute is an award-winning, scholarly, policy research organization that sponsors studies of major social, economic, and environmental issues in order to advance peaceful, prosperous, and free societies, grounded in a commitment to human worth and dignity. This work forms the basis for numerous books and other publications, conferences, and media programs.
Contact: David Theroux, dtheroux@independent.org

**INSTITUTE FOR LIBERTY**
**http://www.instituteforliberty.org**
The Institute for Liberty is an aggressive defender of the rights of individuals to pursue the American dream. We inject the perspective of small businesses, and the working families that depend on them, into the public policy debate. In this day and age, with government expanding at an alarming rate, IFL is fighting on a variety of different fronts. We pursue public policy from an academic perspective, we help to organize grassroots activists and events, and we offer not just strategic and tactical solutions, but solutions that can and ought to be implemented by policymakers.
Contact: Andrew Langer, andrew.langer@instituteforliberty.org

**INSTITUTE FOR PRIVATE ENTERPRISE**
**www.ipe.net.au**
The Institute for Private Enterprise was established by Des Moore in February 1996 as a body to promote the cause of private enterprise and to argue for a reduction in the role of government. This does not mean IPE supports any form of private enterprise or that it espouses the elimination of government. In particular, private monopolies and enterprises that depend on government-imposed restrictions on competition are not favoured.
Contact: Des Moore, ipe_2@bigpond.com

**INSTITUTO LIBERDADE**
**www.il-rs.org.br**
Instituto Liberdade is an independent and non-profit think tank, headquartered at Tecnopuc (Science and Technology Park @ Pontifical Catholic University of Rio Grande do Sul), Brazil. Its major purpose is to foster the research and dissemination of educational , cultural and economic assets, based on the principles of individual rights, limited government, rule of law and free initiative.
Contact: Dr. Margaret Tse, t.margaret@gmail.com

**INTERNATIONAL CLIMATE SCIENCE COALITION**
**www.climatescienceinternational.org**
The International Climate Science Coalition is a non-partisan group of independent scientists, economists, and energy and policy experts who are working to promote better understanding of climate science and related policy worldwide. We aim to help create an environment in which a more rational, open discussion about climate issues emerges, thereby moving the debate away from implementation of costly and ineffectual "climate control" measures. Instead, ICSC encourages assisting vulnerable peoples to adapt to climate variability and continuing scientific research into the causes and impacts of climate change. ICSC also focuses on publicizing the repercussions of misguided plans to "solve the climate crisis." This includes, but is not limited to, "carbon" sequestration as well as the dangerous impacts of attempts to replace conventional energy supplies with wind turbines, solar power, most biofuels, and other ineffective and expensive energy sources.
Contact: Tom Harris, tom.harris@climatescienceinternational.net

# CONFERENCE COSPONSORS

**INTERNATIONAL CLIMATE AND ENVIRONMENTAL CHANGE ASSESSMENT PROJECT**
**www.icecap.us**
ICECAP, the International Climate and Environmental Change Assessment Project, is the portal to all things climate for elected officials and staffers, journalists, scientists, educators, and the public. It provides access to a new and growing global society of respected scientists and journalists who are not deniers that our climate is dynamic (the only constant in nature is change) and that man plays a role in climate change through urbanization, land use changes, and the introduction of greenhouse gases and aerosols, but who also believe that natural cycles such as those in the sun and oceans are also important contributors to the global changes in our climate and weather. We worry the sole focus on greenhouse gases and the unwise reliance on imperfect climate models while ignoring real data may leave civilization unprepared for a sudden climate shift that history tells us will occur again, possibly soon.
Contact: Joseph D'Aleo, jsdaleo6331@aol.com

**JUNK SCIENCE**
**junkscience.com**
Online since 1996, JunkScience.com is the premier Web site for exposing and debunking faulty science used to advance special agendas. JunkScience is the Web site most visited for information debunking global warming alarmism.
Contact: Steve Milloy, junkman@junkscience.com

**LAVOISIER GROUP**
**www.lavoisier.com.au**
The Lavoisier Group's mission is to promote vigorous debate within Australia on the science of global warming and climate change, and of the economic consequences of both unilateral or multilateral decarbonization and to explore the consequences that any international treaty relating to global decarbonization targets, and the methods of policing such treaties, would have on Australian sovereignty and independence, and for the WTO rules which protect Australia from the use of trade sanctions as an instrument of extraterritorial power.
Contact: Ray Evans, nrevans@optushome.com.au

**LEADERSHIP INSTITUTE**
**www.leadershipinstitute.org**
The Leadership Institute trains conservatives. LI provides training in campaigns, fundraising, grassroots organizing, youth politics, and communications so conservatives can succeed in politics, government, and the media. Since 1979, more than 106,000 conservatives have been trained. Graduates include members of Congress, state legislators, local officials, media personalities, and conservative organization leaders.
Contact: Lauren Hart, laurenhart@leadershipinstitute.org

**LIBERTY INSTITUTE**
**www.indefenceofliberty.org**
The Liberty Institute is an independent think tank dedicated to empowering people by harnessing the power of the market. It seeks to build understanding and appreciation of the four institutional pillars of a free society: Individual Rights, Rule of Law, Limited Government, and Free Markets.
Contact: Barun S. Mitra, barunmitra@gmail.com

**JOHN LOCKE FOUNDATION**
**www.johnlocke.org**
The John Locke Foundation was created in 1990 as an independent, nonprofit think tank that would work "for truth, for freedom, and for the future of North Carolina." It envisions a North Carolina of responsible citizens, strong families, and successful communities committed to individual liberty and limited, constitutional government. It employs research, journalism, and outreach programs to transform government through competition, innovation, personal freedom, and personal responsibility. JLF seeks a better balance between the public sector and private institutions of family, faith, community, and enterprise.
Contact: Roy Cordato, rcordato@johnlocke.org

**MANHATTAN PROJECT 2**
**http://www.energytruth.com**
The U.S. in the 1940s was in a race to first develop the atom bomb, to prevent the loss of freedom in the world. That effort, The Manhattan Project, was successful, and put an end to World War II. A venture of equal, if not greater, level is needed to defeat our present foes. The Manhattan Project 2 was conceived for this purpose. It is presently not supported by any government agency. Help us separate facts from fiction about energy, devoid of notions that propagandists might have inculcated in our minds.
Contact: Mike Oliver, moliver@energytruth.com

**GEORGE C. MARSHALL INSTITUTE**
**www.marshall.org**
The George Marshall C. Institute is a non-profit organization founded in 1984. Its mission is to improve the use of science in making public policy about important issues for which science and technology are major considerations. Its current program emphasizes issues in national security and the environment.
Contact: Jeff Kueter, info@marshall.org

**MEDIA RESEARCH CENTER**
**www.mrc.org**
The Media Research Center is proud to celebrate 25 years of holding the liberal media accountable for shamelessly advancing a left-wing agenda, distorting the truth, and vilifying the conservative movement. Since 1987, our unwavering commitment to neutralizing left-wing bias in the news media and popular culture has influenced how millions of Americans perceive so-called objective reporting.
Contact: Christian Robey, crobey@mrc.org

# CONFERENCE COSPONSORS

**NATIONAL CENTER FOR POLICY ANALYSIS**
**www.ncpa.org**
The National Center for Policy Analysis is a nonprofit, nonpartisan public policy research organization, established in 1983. Our goal is to develop and promote private, free-market alternatives to government regulation and control, solving problems by relying on the strength of the competitive, entrepreneurial private sector.
Contact: Sterling Burnett, sterling.burnett@ncpa.org

**NEW ZEALAND CLIMATE SCIENCE COALITION**
**www.climatescience.org.nz**
The New Zealand Climate Science Coalition is a group of volunteers who came together in 2006 to counter the rising hysteria about catastrophic global warming. We were represented at ICCC-1 in New York in 2008, where we were responsible for the creation and adoption of the Manhattan Declaration on Climate Change.
Contact: Terry Dunleavy, terry.dunleavy@nzclimatescience.org.nz

**OREGON INSTITUTE OF SCIENCE AND MEDICINE**
**www.oism.org**
The Oregon Institute of Science and Medicine is a non-profit research institute established in 1980 to conduct basic and applied research in subjects immediately applicable to increasing the quality, quantity, and length of human life. Research in the institute's laboratories includes work in protein biochemistry, diagnostic medicine, nutrition, preventive medicine, and aging. The institute also carries out work on the improvement of basic education and emergency preparedness.
Contact: Art Robinson, art@oism.org

**POWER FOR USA**
**http://blog.powerforusa.com**
Power for USA provides information on energy issues. Each article published on www.PowerforUSA.com provides information that is essential for understanding whether government policies improve or worsen the availability and use of energy. Fracking, the generation of electricity, and jargon, such as CCS, NGCC, IGCC are made clear.
Contact: Donn Dears, dddusmma@gmail.com

**REASON FOUNDATION**
**www.reason.org**
Reason Foundation advances a free society by developing, applying, and promoting libertarian principles, including individual liberty, free markets, and the rule of law. Reason produces rigorous, peer-reviewed public policy research and directly engages the policy process, seeking strategies that emphasize cooperation, flexibility, local knowledge, transparency, accountability and results.
Contact Julian Morris, julian.morris@reason.org

**SCIENCE AND ENVIRONMENTAL POLICY PROJECT**
**www.sepp.org**
The Science and Environmental Policy Project is a non-profit, 501(c)(3) educational organization. Its mission is to educate politicians, the media, and the public on the importance of scientific rigor in establishing environmental policy and related policies. SEPP does not solicit financial support from industry groups, government entities, or NGOs.
Contact: Ken Haapala, ken@sepp.org

**SCIENCE AND PUBLIC POLICY INSTITUTE**
**http://scienceandpublicpolicy.org**
The Science and Public Policy Institute provides research and educational materials dedicated to sound public policy based on sound science. We support the advancement of sensible public policies rooted in rational science and economics. Only through science and factual information, separating reality from rhetoric, can legislators develop beneficial policies without unintended consequences that might threaten the life, liberty, and prosperity of the citizenry.
Contact: Robert Ferguson, bferguson@sppinstitute.org

**TSAUGUST**
**www.tsaugust.org**
TSAugust provides expert commentary and essential information on energy and environmental issues. It published *Carbon Folly* to demonstrate that the technologies for cutting CO2 emissions by 80 percent are experimental or speculative. TSAugust associates are volunteers who are experts in power generation, transmission, and distribution, including nuclear, wind, steam, and natural gas.
Contact: Donn Dears, dddusmma@gmail.com

**VIRGINIA SCIENTISTS AND ENGINEERS FOR ENERGY AND THE ENVIRONMENT**
**web.me.com/billsarg**
Virginia Scientists and Engineers for Energy and the Environment (VA-SEEE) is a coalition of like-minded professionals advocating public policies regarding energy and environment, based on verifiable science, not emotional appeal. Society benefits when impartial physical evidence and reason are guiding principles, not when they are ignored or replaced by dogma.
Contact: Charles Battig, chas2rm2.va@embarqmail.com

## NOTES

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## ABOUT THE HEARTLAND INSTITUTE

The Heartland Institute is a nonprofit, nonpartisan research organization based in Chicago. Founded in 1984, it is devoted to discovering, developing, and promoting free-market solutions to social and economic problems.

The Heartland Institute contacts more elected officials, more often, than any other think tank in the United States. According to a telephone survey of 500 randomly selected state and local officials conducted by Victory Enterprises in 2011, nearly 80 percent of state legislators and 50 percent of local officials say they read and rely on Heartland publications.

The nation's most influential people — including every state and national elected official — receive at least one Heartland publication every month. Heartland also manages multiple Web sites and operates PolicyBot™, an online clearinghouse for the work of some 350 think tanks and advocacy groups.

Approximately 300 academics and professional economists participate in Heartland's peer review process, and more than 200 elected officials serve on its Legislative Forum. Heartland's full-time staff of government relations professionals interacts daily with hundreds of elected officials across the country, and its public relations and media specialists help shape public opinion by writing and placing dozens of letters to the editor and opinion editorials each week.

Heartland has a full-time staff of 37 and a 2012 budget of $6 million. It is supported by the voluntary contributions of approximately 1,800 supporters. For more information, please visit our Web site at www.heartland.org, call 312/377-4000, or write to The Heartland Institute, 19 South LaSalle, Suite 903, Chicago, Illinois 60603.

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IDEAS THAT EMPOWER PEOPLE

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