The Dupont Summit.

The New Administration’s Challenges on Science & Technology Policy: Staying the Course in Times of Crisis

December 4th, 2009 at the Carnegie Institution of Washington DC

1530 P St. NW, Washington DC, 20005

PROGRAM

The Policy Studies Organization
1527 New Hampshire Ave NW
Washington DC, 20036

www.ipsonet.org
Welcome to the 2009 Dupont Summit

Paul Rich, President, Policy Studies Organization

There are two plenary sessions where we can all gather, one at 9 this morning in the Auditorium and one this evening at the Cosmos Club as guests of the Philosophical Society of Washington, the oldest scientific organization in the capital.

Refreshments are available during the day, with a complementary box lunch at noon, and we have set up tables to enable you to socialize with other delegates, and we hope you do! There will be a social hour after the evening presentation at the Cosmos.

The 2010 Summit will be here on the first Friday in December next year, so we are getting that word out well in advance. Contact Daniel Gutierrez at dgutierrezs@ipsonet.org with ideas. Be sure if he doesn’t yet have your paper for publication that he gets it.

The Carnegie building is one of the more amazing and less well known architectural highlights of Washington. Look at the murals in the main auditorium and ceiling of the auditorium, which are world famous.

Kindly respect the times for the various panels. We have asked chairs to allow for questions and we hope if you have more to ask or say that you will continue the conversation outside the room so the next panel can get started.

Ideally, panels should end five minutes before the ending time allowed and start five minutes after the starting time. The audience can help with this. Be tolerant of those entering a panel a bit late and blame it on us for our tight scheduling. If a panel is chock full, consider an alternative panel.

Remember that the Library is accessible by elevator and the other rooms are off the Rotunda. The map shows cloakrooms and washrooms. The various journals are yours to take away.
9:00 – 10:00 am  
**Plenary Session**  
**Auditorium**

**STRATEGIC SCIENCE AND DEMOCRACY**

Chair: Paul Rich  
Policy Studies Organization

Eric J. Novotny  
Civilian Research & Development Foundation  

Robert McCreight  
George Washington University  
*Technology Assessment: Democracy's Crucible for the Future of Science.*

Sunny Lee  
Institute for Korea-U.S. Political Development  
*Effective Denuclearization Policy in U.S. Military Strategy: The Case of North Korea.*

10:00 – 11:00 am  
**Session 2**  
**Board Room**

**INFORMATION TECHNOLOGY AND REFORMING HEALTH CARE DELIVERY IN AMERICA: THE STATUS AND PLANNED ADOPTION OF ELECTRONIC MEDICAL RECORDS (EMR)**

Chair: Guillermo Izabal  
PricewaterhouseCoopers LLP

Albert Rubenstein  
IASTA, Inc.

Marshall Maglothin  
Blue Oak Consulting, LLC.

Elie Geisler  
Illinois Institute of Technology

Giuseppe Turchetti  
Scuola Superiore Sant'Anna

10:00 – 11:00 am  
**Session 3**  
**Dining Room**  

**ETHICS, POLICY, AND THE OBAMA ADMINISTRATION**

Chair: Guillermo De Los Reyes  
University of Houston
Shane J. Ralston  
Pennsylvania State University-Hazleton  
*Engineering an Artful and Ethical Solution to the Problem of Global Warming.*

Lenneal J. Henderson  
University of Baltimore  
*The Energy/Environment Policy Nexus in the Obama Administration.*

**10:00 – 11:00 am**  
*Session 4*  
*Mayor Room*

**EVIDENCE BASED POLICY: A GLOBAL CHALLENGE TO MEDICINE IN AN ERA OF MISTRUST**

Chair: Arnauld Nicogossian  
George Mason University

Naoru Koizumi  
George Mason University  
*Use of technology to design better health policies*

Jessica Heineman-Pieper  
George Mason University  
*Politics in Health Sciences & Policy*

Arnauld Nicogossian  
George Mason University  
*Communicating the Knowledge*

**11:00 - 12:00 p.m.**  
*Session 5*  
*Dining Room*

**GLOBAL HEALTH CHALLENGES**

Chair: David Merchant  
Policy Studies Organization

Barbara Billauer  
Foundation for Law and Science Centers  
*Pandemic Planning: Back to the Foundation.*

Hanan Al Shargi  
George Washington University  
*Epigenetic Problems in the Aspect of Fundamental Science and Health Applications.*
11:00 a.m. – 12:30 p.m.
Session 6
Boardroom
INTERNET AND COMMUNITY: WHAT DOES THE FUTURE HOLD?

Chair: Nigel Cameron
Center for Policy on Emerging Technologies

Erik Fisher
Arizona State University
Internet, Community and Assessment

Michael R. Nelson
Georgetown University
The Crowd, the Cloud, and Peer-to-Peer Governance

Jules Polonetsky
Future of Privacy Forum
Personal Information: Intelligence That Will Power the Smart Grid And The Achilles’ Heel That Could Take It Down

Erica Newland
Center for Democracy and Technology
Refocusing the FTC’s Role in Privacy Protection

Jeff LaCagna
Principled Innovation, LLC.
Professional Associations and the Social Web: What Does the Future Hold?

11:00 - 12:00 pm
Session 7
Library
SOLUTION TO THE ENERGY/CLIMATE CHANGE CONUNDRUM

Chair: Christopher Gore
Ryerson University

Simon Berkovich
George Washington University
Quantum Non-locality and Striving for a New Idea to Discover a Clean and Abundant Source of Energy.

Sarmistha Rina Majumdar
Sam Houston State University
Ushering in an Era of Environmentally Friendly Vehicles.
1:00 – 2:00 pm  
Session 8  
Library  

**SCIENCE DURING CHALLENGING TIMES: THEORY METHODS AND CASE STUDIES**

Chair: Rex Kallembach  
Policy Studies Organization

**Catherine P. Slade**  
Arizona State University

**Erik Fisher**  
Arizona State University

**Derrick Anderson**  
Arizona State University

**Genevieve Maricle**  
U.S. Agency for International Development

1:00 – 2:00 pm  
Session 9  
Mayor Room  

**THE OBAMA ADMINISTRATION’S CHALLENGES AFTER THE “WAR ON SCIENCE”: REFORMING STAFFING AND PROTECTING SCIENTIFIC INTEGRITY**

Chair: Guillermo De Los Reyes  
University of Houston

**Justin S. Vaughn**  
Cleveland State University

**Jose Villalobos**  
University of Texas at El Paso

1:00 – 2:00 pm  
Session 10  
Board Room  

**INCREASING CLIMATE SCIENCE LITERACY: POLICYMAKERS, EARTH SCIENTISTS, EDUCATORS AND STUDENTS**

Chair: Paul Rich  
Policy Studies Organization

**Elizabeth Mills**  
American Meteorological Society

**Paul Higgins**  
American Meteorological Society
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<td>Guillermo Izabal</td>
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<td>David Merchant</td>
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<td>Forecasting Climate Change: Application of Evidence-Based Forecasting Principles.</td>
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THE STEM WORKFORCE AS PROBLEM AND PROMISE

Chair: Jong-on Hahm
National Science Foundation

Robert V. Hamilton
National Aeronautics and Space Administration
Highly-Skilled Migration: The Case of Foreign Science and Engineering Doctorates at U.S. Universities.

Sorina Vlaicu and Connie L. McNeely
George Mason University
An Exploration of Institutional Hiring Patterns.

Lisa Frehill
Commission on Professionals in Science and Technology
Retention in Engineering: Discipline, Gender, Race/Ethnicity, and Innovation.

Jay Labov
The National Academies

Jong-on Hahm
National Science Foundation
The U.S. STEM Workforce: The Long View and the Short View.

INTERNET INVESTMENT AFTER THE CRISIS

Chair: Guillermo Izabal
PricewaterhouseCoopers LLP

Eric T. Weber
University of Mississippi
A Historical Mandate for Expanding Broadband Internet Infrastructure.

Darrene L. Hackler
George Mason University
Technology-Based Economic Development in Cities: The Logic of Broadband Investment in the Post-Boom Era.
3:00 – 4:00 pm  
**FUTURES OF SCIENCE AND TECHNOLOGY POLICY**

Session 16  
Dining Room

Chair: Christopher Gore  
Ryerson University

Alan J. Tompkins  
University of Nebraska  
*Public Engagement for Informing Science and Technology Policy: What do We Know? And What do We Need to Know?*

Liz Johnson  
University of North Carolina at Charlotte  
*Science and Technology Innovation as a Complex Adaptative System: Adapting Policy Typologies and Mechanisms.*

Michael Simpson  
Computer Sciences Corporation  
*From Clouds to Weeds: Science and Technology Policy With a Different Vision.*

8:15 – 9:30 pm  
**A BRIEF HISTORY OF COSMIC EXPANSION AND ACCELERATION**

Plenary Session  
Cosmos Club  
John Wesley Powell Auditorium

Adam Riess  
Johns Hopkins University

Cosmos Club, John Wesley Powell Auditorium. 2170 Florida Avenue NW, Washington DC 20008. Entrance is through the club gate, the first right-hand entrance on Florida Avenue north of the intersection with Massachusetts Avenue NW. The auditorium entrance is to the left of the gate. The Cosmos Club is within walking distance of the Dupont Circle Metro stop (Q Street exit), the Connecticut Avenue bus routes (L2, L4), and the Massachusetts Avenue bus routes (N2, N4).