



**The 9th Annual
Science & Technology in Society
An Interdisciplinary Graduate Student Conference**
American Association for the Advancement of Science
1200 New York Ave., NW | Washington, DC
March 28-29, 2009

AGENDA

Saturday, March 28, 2009

- 8:00 – 8:30 AM Registration and Breakfast
- 8:30 – 8:45 AM **Welcome and Introductions** • Auditorium
- 8:45 – 10:00 AM **Keynote Address** • Auditorium
James H. Turner, Jr., Former Chief Counsel to the Committee on Science and Technology, U.S. House of Representatives
- 10:00 – 10:15 AM BREAK
- 10:15 – 12:30 PM **Graduate Student Presentations: Session I**
Concurrent Sessions in Rooms: Revelle, Abelson, Haskins, and the Auditorium
- 12:30 – 1:15 PM LUNCH
- 1:15 – 2:30 PM **Keynote Address** • Auditorium
Kei Koizumi, Office of Science and Technology Policy, Executive Office of President Barack Obama
- 2:30 – 3:30 PM **Plenary Career Panel**
Auditorium
- **Alicia Jackson**, U.S. Senate Committee on Energy and Natural Resources
 - **Sheril Kirshenbaum**, Duke University; Co-host of the Science blog, *The Intersection*
 - **Debra Mathews**, Berman Institute of Bioethics, Johns Hopkins University; Student Pugwash USA
- 3:30 – 3:45 PM BREAK
- 3:45 – 6:00 PM **Graduate Student Presentations: Session II**
Concurrent Sessions in Rooms: Revelle, Abelson, and Haskins
- 6:00 – 8:00 PM **Reception**
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Sunday, March 29, 2009

- 8:30 – 9:00 AM Registration and Breakfast
- 9:00 – 10:15 AM **Keynote Address** • Auditorium
Arie Rip, Professor of Philosophy of Science and Technology, School of Management and Governance, University of Twente
- 10:15 – 10:30 AM BREAK
- 10:30 – 12:45 PM **Graduate Student Presentations: Session III**
Concurrent Sessions in Rooms: Revelle, Abelson, Haskins, and the Auditorium
- 12:45 – 1:30 PM **Awards Ceremony and Closing Remarks** • Auditorium



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Graduate Student Presentations: Session I
Saturday, March 28, 2009 | 10:15-12:30 PM

Panel A: Health

Revelle | Moderator: *Lee Zwanziger, Ph.D., Virginia Tech*

- Awakening Sleeping Beauty: Promises of eternal youth & beauty packaged through scientific innovation
- *Michelle Smirnova, University of Maryland, College Park*
- The Relationship between Science and Politics in the Field of Epidemiology
- *Nicolas Fortane, Universite Lumiere-Lyon 2, France*
- Multiple Births and Medical Risk-Taking
- *Le-Ann Mawler, Virginia Tech*

Panel B: Regulation and Law

Abelson | Moderator: *Mark S. Frankel, Ph.D., AAAS*

- Standardization as a Governance Tool for Emerging Technologies
- *Beate-Joesfine Lubber, University of Bielefeld, Germany*
- If You Give Them the Inch, They'll Take 1.609344 Kilometres: The Demise of National Metrication in the United States
- *Jeffrey Brideau, University of Maryland*
- Normative Criteria for Translating Uncertainty into Policy
- *Jacob Stegenga, University of California, San Diego*
- Defensive Design, Safety, and Liability: Can Manufacturers be Held Responsible for all Product Failures?
- *Richard Gawne, Western Michigan University*
- Cost-benefit Analysis, Value Pluralism, and Environmental Decision-making
- *Eric Martin, University of California, San Diego*

Panel C: Education

Haskins | Moderator: *Sheril Kirshenbaum, Duke University*

- The Absence of Engineering Ethics in China and its Solutions: An STS Perspective
- *Fei Guo, Southeast University, Nanjing, China; University of Wisconsin-Madison*
- Defining a Comparison Sample to Measure the Effect of Institutional Factors on Highly creative Scientific Research: Issues and Options
- *Reynold Galope, Georgia State & Georgia Tech*
- The Science in the News: A Useful Tool or Distracting Target in the Pursuit of Scientific Literacy?
- *Megan Anderson, University of Wisconsin-Madison*
- Scientific Education as Tool for Education to Citizenship
- *Livio Riboli-Sasco, European Graduate School Frontiers of Life, France*
- Engaging Women in S&T Policy-making: Beyond the Paradox of Under-representation of Women
- *Christine Luk, Arizona State University*

Panel D: Emerging Fields & Technologies

Auditorium | Moderator: *Arie Rip, Ph.D., University of Twente*

- The Computational Mind and the Collaborative Practice of Science: A Multidisciplinary Study of Work, Networks and Socio-material Practices in Science and Engineering
- *Paul Russo, NYU Poly*
- Is it Useful to Compare Biotechnology and Nanotechnology? If So, What May Be the Consequences on Public Participation?
- *Francois Thoreau, Arizona State University*
- Comparing Modes of Participation, Identity Creation, and Group Maintenance in Different Technical Discourse Communities: C++ and Lisp Newsgroups
- *Stuart Mawler, Virginia Tech*
- Disciplinary Dynamics in Emerging Social Neuroscience and Neuroeconomics
- *Svenja Matusall, University of Zurich, Switzerland*
- Innovation and Collaboration in the Nanoscale Research Laboratory
- *Alimahomed Kasim, University of California, Santa Barbara*
- The Effect of International Scientific Collaborations on National Innovation Capacity
- *Ryan Zelnio, George Mason University*



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Graduate Student Presentations: Session II
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Panel A: Environment

Revelle | Moderator: **Todd LaPorte, Ph.D.**, George Mason University

- Traditional Ecological Knowledge: Environmental Observations and Narrative Analysis in Alaska
- **Nazme Menka**, Arizona State University
- The “Lurking Inconsistency”? A Survey of Professional Roles and Affiliations in Conservation Biology
- **Zoe Nyssa**, University of Chicago
- Protecting Communities from Cumulative Impacts: The California Environmental Quality Act
- **Miriam Zuk**, University of California, Berkeley
- Leykimi's way: Environmental Activism and Cognitive Praxis in Cofru, Greece
- **Nicholas Sakellariou**, University of California, Berkeley
- Policies for Achieving Energy Justice in Society: A Case Study on Solar Energy Technologies in Low-Income Housing
- **Anne Smart, Cara Lampton, Veerendra Veerabhadrappa, Candis Robinson, Fei Guo, and Lado Kurdelashvili**, University of Delaware
- Problematizing the U.S. Energy-Transportation Infrastructure: Are Biofuels the 'Inevitable' Next Step?
- **Marcia Davitt**, Virginia Tech

Panel B: Innovation

Abelson | Moderator: **Nicholas S. Vonortas, Ph.D.**, George Washington University

- Induced Diffusion: A Definition of the Concept, a Review of Past Contributions and a Call for More
- **Ivan Diaz-Rainey**, European University Institute, Italy
- Business Incubators in the Middle East: What are the Current Status, the Similarities, and the Implications for the Future?
- **Stephanie Pals**, George Washington University
- Peer-to-Patent in the International Arena
- **Christopher Wong**, Center for Patent Innovations, New York Law School
- Entrepreneurship and innovation systems approach: Towards an integrated framework
- **Birthe Soppe**, University of Regensburg, Germany
- Multiple Forms of University-Industry Collaborative Linkages
- **Irene Ramos-Vielba, Manuel Fernandez-Esquinas**, Institute for Advanced Social Studies, Spanish Council for Scientific Research, Spain

Panel C: Information & Communication Technology

Haskins | Moderator: **David Ribes, Ph.D.**, Georgetown University

- ICTs for Synergy: A Case Study of Scientific Knowledge and Local Farmers' Innovative Activities in Ghana
- **Benjamin Addom**, Syracuse University
- Understanding Standardizations Competition from Actor-Network Perspective: The Case of 3G Standards in China's Telecom Sector
- **Shu Gao**, University of Utrecht, Netherlands
- Information and Communication Technologies (ICTs) for Public Health in Developing Nations: EpiSurveyor in Kenya
- **Matthew Karlesky**, George Washington University
- The Virtualization of Backpacker Culture: Virtual Mooring, Sustained Interactions, and Enhanced Nobilities
- **Cody Paris**, Arizona State University
- Information and Communication Technologies (ICT) for Disaster Management and Post-Conflict Reconstruction
- **Antonio Carlos Carvalho**, Virginia Tech
- Developing a Geospatial Commons
- **Puneet Kishor**, University of Wisconsin-Madison



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Panel A: Science and Development

Revelle | Moderator: *Caroline S. Wagner, Ph.D., George Washington University*

- Indigenous Peoples, Technological Globalization, and Social Mobilization
- *Lindsay Green-Barber, City University of New York*
- The Value of Public Sector Data and Information to Civil Society Organizations' in South Africa: Evidence from the Fight to Eradicate Poverty
- *Raed Sharif, Syracuse University*
- Glimpse into Opportunities for Collaborations in R&D in Science and Technology between Developed and Developing
- *Nasir Mohammed, Sheda Science and Technology Complex, Nigeria*

Panel B: History of Science

Abelson | Moderator: *Amy Crumpton, Ph.D., AAAS*

- Science becomes Political: The Russian Academy of Sciences' Struggle for Autonomy (2006-2008)
- *Amy Elizabeth Wilson, Georgetown University*
- At the Airport's Edge: A Century of Negotiating the Landside-Airside Boundary
- *Victor Marquez, Cornell University*
- From Sail to Steam 1838-1900 – The Transition that Never Was
- *Lech Lebedowski, University of Alberta, Canada*
- The Society for Opposing the Endowment of Research: A Controversy over the Funding of Science in Nineteenth-Century Britain
- *Andrea Marchesetti, University College London*
- Looking into the Iron Box: Space-Based Reconnaissance of the Iron Curtain in the 1960s
- *Mel Eulau, Virginia Tech*

Panel C: New Media/Web 2.0

Haskins | Moderator: *Garrison LeMasters, Ph.D., Georgetown University*

- Thinking about Design Metaphors
- *Todd Andre, The University of Calgary, Canada*
- Cyberprotest in Modern Russia
- *Volodymyr Lysenko, University of Washington*
- Millennials and Web 2.0 Social Networking: A New Face of Leadership and Enabler for Public Sector Innovations
- *Edward Logan, Kamran Naim, Stephanie Pals, George Washington University*
- Working with/in Wikipedia: Infrastructures of Knowing and Knowledge Production
- *Stuart Geiger, Georgetown University*
- SimCity: Stimulating Risk Society
- *Zeynep Tanes, Purdue University*

Panel D: Business Sector

Auditorium | Moderator: *David Hart, Ph.D., George Mason University*

- How Can the Social Studies of Finance Help us to Understand Financial Markets?
- *Erica Coslor, University of Chicago*
- Should U.S. Airports Accommodate New Large Aircraft?
- *Vivek Sakhrani, MIT*
- Sociological Relationships in Consumer Product Distribution Networks
- *Le-Marie Thompson, Virginia Tech*
- Entrepreneurship and the Myth of Venture Capital: Why Should Informal Investment Gain More Attention?
- *Anwar Aridi, George Washington University*