

**The Atlanta Conference on Science and Technology Policy 2006
US-EU Policies for Research and Innovation**

Organized by:

**The Georgia Tech School of Public Policy (www.spp.gatech.edu)
PRIME Network of Excellence (www.prime-noe.org)* and
The College of Management at Georgia Tech (www.com.gatech.edu)**

Date: May 18-20, 2006

Place: Technology Square, Georgia Institute of Technology, Atlanta

Information: <http://www.spp.gatech.edu/conference2006.php>

Both the U.S. and Europe recognize that innovation is central to the future growth and vitality of their economies. To be successful, policies aimed at encouraging innovation should recognize the importance of institutional learning and change across sectors. The Atlanta Conference on Science and Technology Policy 2006 will explore the research base that informs those policies, taking account of the current dynamic international context.

THURSDAY, May 18

The Need for Research on S&T Policies

9 – 9:30

Welcome

- G. Wayne Clough, President, Georgia Institute of Technology
- Peter McGuire, Associate Dean, Ivan Allen College
- Terry Blum, Dean, College of Management, Georgia Institute of Technology
- Diana Hicks, Chair, School of Public Policy, Georgia Institute of Technology
- Philippe Laredo, Coordinator, PRIME Network of Excellence

9:30 – 10:15 **Session 1: Keynote Address** (open to the public)

Introduction by Susan E. Cozzens, Georgia Institute of Technology

- John H. Marburger, III, United States, Science Advisor to the President and Director, Office of Science and Technology Policy, USA

Break

10:45 – 12:30 **Session 2: Grand Challenges in the Science of Science Policy**

Chair: Albert H. Teich, AAAS

- William Butz, Population Reference Bureau, “Is the US running out of STEM workers? How would we know and What would we do about it?”
- Deborah Duran, Office of the Director, National Institutes of Health, “Aggregation Rules for Systemic Assessments ”
- Richard Newell, Council of Economic Advisors, “Making Opportunity-Based Decisions – the Example of Energy Forecasting”
- Katy Börner, Indiana University “Visualization Tools for Decision Support in S&T Policy”

Lunch [Georgia Tech Hotel Dining Room]

1:15 – 3:00 **Session 3: Innovation Policy in the Light of Global Economic Competition**

Chair: Mary Ellen Mogee, SRI

- Chad Evans, Vice President, National Innovation Initiative, Council on Competitiveness, USA
- Luke Georghiou, Associate Dean for Research, Faculty of Humanities, University of Manchester, UK; Rapporteur for “Creating an Innovative Europe,” report of an independent expert group
- Stefan Kuhlmann, Fraunhofer Institute for Systems and Innovations Research, Germany, and Copernicus Institute, Utrecht University, Netherlands, “What European Innovation Studies Have to Offer to Innovation Policy”
- Rosalie Ruegg, TIA Consulting, USA, “What U.S. Innovation Studies Have to Offer to Innovation Policy”

Break

3:30 – 5:00 **Session 4: Changing sciences, changing institutions**

Chair: Philip Shapira, Georgia Institute of Technology, USA

- Michael Crow, Arizona State University, USA, “The New American University”
- Andrea Bonaccorsi, Laboratory of Economics and Management, Sant’Anna School of Advanced Studies, Pisa, Italy, “The New European University”
- Andrew James, Manchester Business School, UK, “The UK Defence Labs: Radical Institutional Change, Technology Transfer and Innovation System Dynamics”

5:00 – 6:30 **Poster Session** (see listing at the end of this program) and **Reception** sponsored by Sue V. Rosser, Dean, Ivan Allen College and Charles Liotta, Vice Provost for Research and Dean of Graduate Studies, Georgia Institute of Technology

7:00 **Conference dinner** sponsored by PRIME NOE, the European Network of Excellence on Policies for Research and Innovation in Moving towards the European Research Area
Presentation of **Winners of the Early Career Competition**
[Global Learning Center]

FRIDAY, May 19

Research Agendas

9 – 10:30 **Session 5: Models and Indicators**

Chair: Jim Granato, Dept of Government, University of Texas, USA

- Rémi Barré, Conservatoire National des Arts et Métiers, France, “The state of S&T models and indicators in Europe”
- Irwin Feller, AAAS, USA, “Estimating Past Returns, Projecting Future Payoffs: An Historical Update of What Economists Know and Don’t Know”

Discussant: Peter van den Besselaer, Rathenau Institute, Royal Netherlands Academy of Arts and Sciences, Netherlands

Session 6: Careers/ Human Resources/ Workforce

Chair: Wanda Ward, National Science Foundation, USA

- Cheryl Leggon, Georgia Institute of Technology, USA
- Laura Cruz-Castro, Higher Council for Scientific Research, Spain¹
- Danielle Logue, Australian Expert Group in Industry Studies, University of Western Sydney, Australia²

Discussant: Kamau Bobb, National Academy of Engineering, USA

Break

11 – 12:30 Session 7: Contributed paper sessions.

Session 7A: Policy Intelligence for Innovations. *Friday, May 19, 11 – 12:30*

Chair: Hannes Toivanen, Ministry of Trade and Industry, Finland

1. **Developing Policy Intelligence for Research Policy Making.** Mark Boden. European Commission, Institute for Prospective Technological Studies, Sevilla, Spain (mark.boden@cec.eu.int)
2. **Policy Intelligence in Support to R&D Decision-Makers in the New Member States – Lessons from Hungary and Poland.** Jan Kozłowski, and Veronika Frigyesi. DG JRC IPTS SERA Unit
3. **Policy Learning and Development of European Knowledge Bases for Innovation Policies.** Hannes Toivanen. Ministry of Trade and Industry, Finland. (Hannes.Toivanen@ktm.fi)

Session 7B: Frontiers of Evaluation. *Friday, May 19, 11 – 12:30*

Chair: William Valdez, Department of Energy, USA

1. **A Strategic Balanced Scorecard for Publicly Funded Science.** Gretchen Jordan, Sandia National Laboratories (gjorda@sandia.gov); Jerald Hage, University of Maryland, USA (hage@socy.umd.edu); and Jonathan Mote, University of Maryland, USA (jmote@socy.umd.edu).
2. **Impact Assessment as a Management Tool. Experiences in Finnish Research Organizations.** Jari Konttinen (jari.konttinen@vtt.fi) / Kirsi Hyytinen. VTT Technical Research Centre of Finland (Kirsi.hyytinen@vtt.fi).
3. **R&D Assessment: Global Trends in Metrics and Measures.** Julia Melkers (jmelkers@uic.edu) / Eric Welch. University of Illinois at Chicago, USA ; Gordon Kingsley (gordon.kingsley@pubpolicy.gatech.edu) / Branco Ponomarev. Georgia Institute of Technology, USA.

Session 7C: Internationalization of R&D. *Friday, May 19, 11 – 12:30*

Chair: Diana Hicks, Georgia Institute of Technology, USA

1. **Regional Integration within Europe as an Answer to Internationalization. How the European Research Area Changes the Fabric of Governance in Research and Innovation.** Jakob Edler /Stefan Kuhlmann. Fraunhofer Institute for Systems and Innovation Research; Germany

¹ Laura Cruz-Castro and Luis Sanz-Menendez, Higher Council for Scientific Research, Spain, "Careers at Universities and Public Research Centres: evidence from individual trajectories' data"

² Danielle Logue, Australian Expert Group in Industry Studies, University of Western Sydney, Australia, Professor Tim Turpin, University of Western Sydney, Australia; Professor Jane Marceau, University of Technology Sydney, Australia; Professor Stephen Hill, University of Wollongong, Australia; Dr Richard Woolley, University of Western Sydney, Australia, "The driving forces behind the migratory patterns of young scientists: exploring the research base that informs mobility policies and programs"

2. **The Challenge of Internationalization for Policy Rationales.** Torsti Loikkanen. VTT Technical Research Centre of Finland (torsti.loikkanen@vtt.fi).
3. **Governance and Co-ordination: The Case of European Innovation Policy.** Theodoros Papaioannou. ESRC/INNOGEN & DPP, The Open University; and George Tsekouras. CENTRIM, University of Brighton.

Session 7D: The Social Science Base for Science Policy Friday, May 19, 11 – 12:30

Chair: Daniel Malkin, InterAmerican Development Bank

1. **NSF's Division of Science Resources Statistics: A Federal Statistical Agency in Support of Science Policy.** Nirmala Kannankutty; and Lynda T. Carlson. Division of Science Resources Statistics, National Science Foundation, USA.
2. **Social Science Models: Applications for Science Policy.** James Granato, University of Texas, Austin, USA; Frank Scioli, National Science Foundation, USA
3. **Data Visualization in an Era of Digital Technologies: Managing Visual Complexity.** Pamela Ebert-Flattau, IDA Science and Technology Policy Institute, USA
4. **Are We There Yet? A Review of the "Social Science of Science Policy,"** Bhavya Lal, IDA Science and Technology Policy Institute, USA

Session 7E: Identifying and Understanding Creative Research I Friday, May 19, 11 – 12:30

Chair: Stefan Kuhlmann, Fraunhofer Institute for Systems and Innovations Research and Copernicus Institute, Utrecht University.

1. **Identifying Creative Research Accomplishments: The CREA Methodology.** Philip Shapira, Georgia Institute of Technology (pshapira@gatech.edu); and Thomas Heinze, Fraunhofer Institute for Systems and Innovations Research (T.Heinze@isi.fraunhofer.de).
2. **Characterizing Creative Scientists: Productivity, Disciplinary Breadth and Network Position.** Thomas Heinze, Fraunhofer Institute for Systems and Innovation Analysis, Germany, (T.Heinze@isi.fraunhofer.de) and Gerrit Baeur, Fraunhofer Institute for Systems and Innovation Analysis, Germany (gerrit.bauer@gmx.net).
3. **Creative Knowledge Environments.** Sven Hemlin (Göteborg University), Carl Martin Allwood (Lund University), and Ben Martin, SPRU – Science and Technology Policy Research, University of Sussex, United Kingdom (b.martin@sussex.ac.uk).

Lunch [Georgia Tech Hotel Dining Room]

1:30 – 3:00 **Session 8: Innovation in States and Regions**

Chair: Stephen Crawford, National Governor's Association

- Jennifer Clark, Georgia Institute of Technology
 - Luis Sanz-Menendez, Higher Council for Scientific Research
- Discussant: Howard Gobstein, National Association of State and Land Grant Universities and Colleges

Session 9: S&T for Development

Chair: Marta Cehelsky, InterAmerican Development Bank and National Science Foundation

- Arie Rip, Twente University
 - Rodrigo Arocena, Universidad de la Republica, Uruguay
- Discussant: Daniel Malkin, InterAmerican Development Bank

Break

3:30 – 5:30 **Session 10: Contributed paper sessions**

Session 10A: Setting and Evaluating National Priorities *Friday, May 19, 3:30 – 5:30*

Chair: Mark Zachary Taylor. Massachusetts Institute of Technology

1. **Dynamic Evaluation Models for the Formation of National Scientific and Technological Policies.** Jerald H. Hage University of Maryland, USA. (jerryhage@aol.com).
2. **Government R&D Funding: New Approaches in the Allocation Policies for Public and Private Beneficiaries.** Bianca Poti. (b.poti@ceris.cnr.it); and Emanuela Reale (e.reale@ceris.cnr.it) CERIS CNR, Italy .
3. **The Politics of Technological Change: International Relationships versus Domestic Institutions.** Mark Zachary Taylor. Massachusetts Institute of Technology, USA (mzak@mit.edu).

Session 10B: Stimulating Jobs and Growth *Friday, May 19, 3:30 – 5:30*

Chair: J David Roessner, Georgia Institute of Technology and SRI

1. **How Do Policies on R&D in Industry Affect Growth and Jobs?** René van Bavel and Andries Brandsma, JRC-IPTS, European Commission.
2. **The Public Policies to Foster the Creation of Research Based Spin-Off firms in Europe (or the gap between policy expectations and their results).** Philippe Mustar. Ecole Nationale Supérieure de Mines de Paris, France (philippe.mustar@ensmp.fr).
3. **(How) Do Tax Incentives Match Trends in Business R&D? A New Perspective on a Key Research Policy Instrument.** Jan Nill. European Commission Joint Research Centre – IPTS, Sevilla, Spain (jan.nill@cec.eu.int).
4. **Do State R&D Tax Credits Matter to Innovative and Economic Performance?** Yonghong Wu. University of Illinois at Chicago, USA (yonghong@uic.edu).

Session 10C: Innovation in Regional Dynamics *Friday, May 19, 3:30 – 5:30*

Chair: Jan Youtie, Georgia Institute of Technology

1. **How Organizational Structures in Science Shape Spin-Off Firms; The Biochemistry Departments of Berkeley, Stanford and UCSF and the Birth of the Biotech Industry.** Simcha Jong. European University Institute, Italy (simcha.jong@iue.it).
2. **Policy Lessons Learned from Studying the Vancouver Human Biotechnology Cluster.** Monica Salazar. Simon Fraser University, Canada (msalazar@sfu.ca).
3. **Combinatorial Inventors and Performance in Nano Science and Technology.** Andrea Bonaccorsi, University of Pisa, Italy; and Grid Thoma, Sant'Anna School of Advanced Studies, Italy (thoma@sssup.it)
4. **The Role of Regional Institutional Entrepreneurs in the Emergence of Clusters in Nanotechnologies.** Mangematin, V. - ESSEC and GAEL ; Rip, A. – University of Twente ; Delemare A. - ENPC/LATTS, Paris; Robinson, D.K.R. - University of Twente .
5. **Regional Promotion of Science and Technology Development in Mid-sized Cities.** Jan Youtie (jan.youtie@edi.gatech.edu) / Philip Shapira (pshapira@gatech.edu). Georgia Institute of Technology, USA.

Session 10D: Networks in Innovation Analysis *Friday, May 19, 3:30 – 5:30*

Chair: Caroline S. Wagner, George Washington University

1. **Measuring Interdisciplinary Collaboration Within University –Based Science Centers Using Innovative Evaluation Techniques.** Elizabeth A. Corley, Arizona State University, USA (Elizabeth.corley@asu.edu); Kimberly Johns, University of Illinois at Chicago, USA (kjohns39@uic.edu); and Julia Melkers, University of Illinois at Chicago, USA (jmelkers@uic.edu).
2. **Possibilities and Constraints of NoEs as exemplified by PRIME.** Terttu Luukkonen, The Research Institute of the Finnish Economy, Helsinki, Finland (terttu.luukkonen@etla.fi); Maria Nedeva, The PREST, Manchester Business School, Manchester, UK; and Rémi Barré, Conservatoire des Arts-et-Métiers, Paris, France.
3. **New Directions in the Use of Network Analysis in R&D Evaluation.** Jonathon Mote, University of Maryland, USA; Gretchen Jordan, Sandia National Laboratory (gbjorda@sandia.gov); and Jerald Hage, University of Maryland, USA (hage@socy.umd.edu).
4. **Can Research and Development be Analyzed as a Dynamic System? A Case Study of Nanoscience and Engineering Research.** Caroline S. Wagner (cswagner@gwu.edu) and Sue Mohrman, Marshall Business School, University of Southern California

Session 10E: Fostering Research Creativity II *Friday, May 19, 3:30 – 5:30*

Chair: Cheryl Leggon, Georgia Institute of Technology, USA

1. **Organizational and Psychological Factors Influencing Creativity in Basic Science.** J. Rogers Hollingsworth. Departments of History and Sociology, University of Wisconsin, USA. (Hollingsjr@aol.com)
2. **Intellectual Property and the Creative Process: Innovation Models from the US and EU** Christopher Newfield. Center for Nanotechnology in Society, University of California, Santa Barbara, USA (cnewf@english.ucsb.edu).
3. **FIRST- Focal Initiative on Research and Technology: Supporting Innovative Research in Israel.** Ron Naaman, Department of Chemical Physics, Weizmann Institute, and Chairman of the Board, FIRST, Israel Science Foundation (ron.naaman@weizmann.ac.il)

Dinner on your own

SATURDAY, May 20

9-10:30 **Session 11: Contributed paper sessions.**

Session 11A: Innovation and Development. *Saturday, May 20, 9-10:30*

Chair: Paolo Pasimeni, CSIC – Spanish Council for Scientific Research

1. **The Impact of Taiwan's Science and Innovation Policy on Firm Productivity Growth in the 1990s.** Chialin Chang, National Chung Hsing University, Taiwan (changchialin@nchu.edu.tw); Stéphane Robin, University of Strasbourg 1, France (robin@cournot.u-strasbg.fr).
2. **The Regional Dimension of S&T Indicators in an Unequal Federal System: Overview of the State of Sao Paulo Experience and Leadership.** Regina Gusmao, The State of Sao Paulo Research Foundation (FAPESP), Brazil (gusmao@fapesp.br).

3. **Decline of the Center: The Decentralizing Process of Knowledge Transfer of Chinese Universities from 1985-2004.** Wei Hong, University of Illinois at Chicago, USA.
4. **Evolution of Industrial Policies for Technology Innovation: Experiences from China.** Xinxin Kong (kongxx@nrcstd.org.cn); and Hui Yan, Ministry of Science and Technology, China
5. **Towards a Euro-Mediterranean Innovation Space: Some Lessons and Policy Queries.** Paolo Pasimeni (paolo@orgc.csic.es) / Rafael Rodriguez-Clemente. CSIC – Spanish Council for Scientific Research, Seville, Spain; Anne-Sophie Boisard / Rigas Arvanitis (rigas@option-service.fr). IRD – Institut de Recherche pour le Développement, Paris, France.

Session 11B: New Universities and New Institutional Environments. *Saturday, May 20, 9-10:30*

Chair: Juan D. Rogers. Georgia Institute of Technology

1. **Institutional Differentiation in the European University System. New Evidence from the Aquameth Project.** Andrea Bonaccorsi. University of Pisa, Italy; and Cinzia Daraio. IIT – CNR and Scuola Superiore Sant'Anna.
2. **Governance of Heterogeneous Collaboration in the German Research System. An analysis with focus on Nanotechnology.** Thomas Heinze. Fraunhofer ISI, Karlsruhe, Germany (T.Heinze@isi.fraunhofer.de); and Stefan Kuhlmann. Fraunhofer ISI, Karlsruhe, Germany; and Copernicus Institute, Utrecht University, Netherlands.
3. **Research Centers in Various Academic Contexts: Patterns of STHC in Minority Serving Institutions, EPSCoR Universities, Disability Research and Research I Universities.** Juan D. Rogers. Georgia Institute of Technology, USA (juan.rogers@pubpolicy.gatech.edu).

Session 11C: Nanotechnology in Context. *Saturday, May 20, 9-10:30*

Chair: Patrick Hamlett, North Carolina State University [invited]

1. **Regional Scientific Attractiveness, Technological Paths and Location of Firms: the Case of Nanotechnologies.** Avenel, E. - GAEL, INRA/UPMF ; Kahane, B.- ISTM and LATTS ; Ma, S., Mangematin, V. - ESSEC and GAEL ; and Rieu, C.
1. **The Role of Public Deliberations in Shaping Public Policymaking about Science and Technology.** Patrick W. Hamlett, North Carolina State University, USA. (hamlett@social.chass.ncsu.edu)
2. **Explorations in Research and Innovation Systems Assessment: Where is Nano Going?** Alan L. Porter (alan.porter@isye.gatech.edu), Philip Shapira (pshapira@gatech.edu), David J. Schoeneck, Ajay Sivaram Bhaskarabhatla, Jan Youtie, and Dirk Libaers. Georgia Institute of Technology, USA

Session 11D: Innovation and Inequalities. *Saturday, May 20, 9-10:30*

Chair: Andrea Fernandez Ribas, Georgia Institute of Technology

1. **Science and Technology Impacts and Inequality.** Barry Bozeman (barry.bozeman@pubpolicy.gatech.edu) / Paul Hirsch (paul.hirsch@pubpolicy.gatech.edu), Georgia Institute of Technology, USA.
2. **Science, Technology, and Inequalities: Designing Effective Policies and Programs.** Susan Cozzens, Georgia Institute of Technology, USA (scozzens@gatech.edu).

3. **Race/Ethnicity and the Impact of High Technology Industries on Employment and Wages in the US.** Sonia Gatchair, Georgia Institute of Technology, USA (sgatchair@gatech.edu).
4. **Researching Inequality through Science and Technology – ResIST.** Peter Healey, James Martin Institute, Oxford University, UK (peter@stage-research.net)

Break

- 11 – 12:30 **Session 12: Closing plenary: the field of S&T policy studies: supply, demand, disciplinary ecology**
- Diana Hicks, Georgia Institute of Technology, USA
 - Philippe Laredo, Ecole Nationale des Ponts et Chaussées, France
 - Terttu Luukkonen, The Research Institute of the Finnish Economy, Finland
 - Ben Martin, Science Policy Research Unit, UK
 - Mark Weiss, National Science Foundation, USA
 - Susan Cozzens, Georgia Institute of Technology, USA

p.m. GT campus tours; Atlanta field trips; time available for research team meetings

Poster Session
Thursday, May 18th, 5:00 – 6:30pm

SPECIAL EXHIBIT

Places and Spaces, by Katy Börner, Indiana University

EARLY CAREER AWARD WINNERS

1. **An Empirical Approach towards Cluster Institutionalization: links between recognition and cluster dynamics and sustainability.** Aurélie Delemarle, ENPC/LATSS, France (aurelie.delemarle@enpc.fr)
2. **How Organizational Structures in Science Shape Spin-Off Firms; The Biochemistry Departments of Berkeley, Stanford and UCSF and the Birth of the Biotech Industry.** Simcha Jong. European University Institute, Italy (simcha.jong@iue.it).
3. **Multiple Missions and Academic Entrepreneurship.** Nicola Lacetera, Massachusetts Institute of Technology, USA (lacetera@mit.edu)

GENERAL POSTER SESSION

1. **S&T and Innovation Policy in Armenia during Transition Period.** Tigran Arzumanyan (tarznip@sci.am), National Academy of Sciences of Armenia.
2. **Scientific Productivity Paradox: The Case of China's S&T system.** Can Huang (huangcan@egi.ua.pt), Celeste Amorim Varum (camorim@egi.ua.pt) and Joaquim Borges Gouveia (bgouveia@egi.ua.pt), Department of Economics, Management and Industrial Engineering, University of Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal
3. **Comparative Study in Government-Industry R&D Programs Subsidy Policies/Programs between Taiwan and U.S.** Chien-Wen Huang, Institute of Public Affairs Management, National Sun Yat-sen University, Taiwan; Feng-wu Lee (felee@indiana.edu), PhD Candidate Indiana University, U.S.; Pin-Yu Chu, Institute of Public Affairs Management, National Sun Yat-sen University, Taiwan.
4. **Policy as a Separate Level of Performance Management.** William G. Kennedy (wkennedy@itd.nrl.navy.mil), Naval Research Laboratory, Washington, DC.
5. **Organizing for Scientific Performance: The Impact of Organizational Affiliation on Scientific Productivity in Nano Science & Technology.** Dirk Libaers (dirk.libaers@pubpolicy.gatech.edu), School of Public Policy, Georgia Institute of Technology, Atlanta, Georgia.
6. **Industry Relationships of DOD-Funded Academics and Institutional Changes in the US University System.** Dirk Libaers (dirk.libaers@pubpolicy.gatech.edu), School of Public Policy, Georgia Institute of Technology, Atlanta, Georgia.
7. **Science and Innovation Policy to Support Collaborative Advantage: How the U.S. Can Compete in Third Generation Globalization.** Leonard Lynn (Leonard.lynn@case.edu), Case Western Reserve University, Ohio; and Hal Salzman (hsalzman@ui.urban.org), The Urban Institute, Washington, DC.
8. **Mining Information to Enhance S&T Decisions**, Nils Newman (newman@iisco.com), Technology Policy and Assessment Center (TPAC) and Intelligent Information Services Corporation (IISC), USA

9. **International Research Collaboration, Research Team Performance, and Scientific and Technological Capabilities in Colombia. A Bottom-Up Perspective.** Gonzalo Ordóñez-Matamoros (gonzalo.ordonez@pubpolicy.gatech.edu), School of Public Policy, Georgia Institute of Technology, Atlanta, US.
10. **A Generic Logic Model Incorporating Diffusion of Innovations Theory. Speeding Program Theory Development for Emerging Technology Programs.** John H. Reed (jreed@innovologie.com), Innovologie, LLC, Rockville MD, U.S.; and Gretchen Jordan (gbjorda@sandia.gov), Sandia National Laboratories, U.S.
11. **Evaluation of Research Groups: An Endogenous Approach.** Leonardo Reyes-Gonzalez (lreyesgo@andrew.cmu.edu), Francisco Veloso, Department of Engineering and Public Policy – SETChange Program, Carnegie Mellon University.
12. **Policy Making and Organizational Shaping: the Role of Basque Technology Policy in Building an Environment for Technical Centers.** Pilar Rico Castro (pilar.rico@iesam.csic.es), Consejo Superior de Investigaciones Científicas (CSIC), Madrid, Spain.
13. **Canadian STI Policy: the Product of Regional Networking?** Monica Salazar (msalazar@sfu.ca); and Adam Holbrook (jholbroo@sfu.ca), Centre for Policy Research on Science and Technology – CPROST, Simon Fraser University, Canada.
14. **The mechanisms of the State Promotion of Technological Development in Slovenia.** Marta Svetina (marta.svetina@gov.si); and Margareta Pecaver (margareta.pecaver@tia.si), Public Agency for Technology Development of the Republic of Slovenia.
15. **Glass Ceiling Effect on Women in Federal Service: an Overview.** Xuhong Su (gth750c@mail.gatech.edu), School of Public Policy, Georgia Institute of Technology, Atlanta, US.
16. **SMEs' Innovation and Internalization: A case study of Georgia Manufacturing Industry.** Li Tang (li.tang@pubpolicy.gatech.edu), School of Public Policy, Georgia Institute of Technology, Atlanta, US.
17. **Developing an Implementable Policy for Innovative Procurement – CERN as a Pilot.** Olli Vuola (olli.vuola@unil.ch), Ecole des Hautes Etudes Commerciales, University of Lausanne, Switzerland.
18. **Public Policy and Nanotechnology.** Jennifer Woolley (jwoolley02@merage.uci.edu), Paul Merage School of Business, University of California, Irvine, USA.
19. **Dynamic Patterns of Sector and Regional Technological Innovation in China: A Patent Analysis at the Firm, Metropolitan and Regional Level 1985-2003.** Jingjing Zhang (gte492w@prism.gatech.edu) and Juan D. Rogers, School of Public Policy, Georgia Institute of Technology, Atlanta, US.