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PROFESSIONAL EXPERIENCE

RICE UNIVERSITY, Houston, TX Fellow – Baker Institute for Public Policy Lecturer – Department of Computer Science	2006-Present
U.S. DEPARTMENT OF STATE, Washington, D.C. Business Practices Advisor – Office of eDiplomacy Vice Consul – Consulate General Tijuana	2002-2006
SYRACUSE UNIVERSITY, Syracuse, NY Senior Research Fellow Research Associate	2000-2002 & 2010
VIVENDI-UNIVERSAL INTERACTIVE, Syracuse, NY Technical Staff Coordinator/Software Developer	1995-2000

EDUCATION

SYRACUSE UNIVERSITY MAXWELL SCHOOL, Syracuse, NY
Ph.D. in Political Science, 2006
* Dissertation: In Confidence: Information Technology, Secrecy and the State.
* Subfields: International Relations and Public Administration
MA in Political Science, 2001

YONSEI UNIVERSITY, Seoul, S. Korea
Coursework in Asian Studies and Korean, 2001 – 2002

UNIVERSITY OF WISCONSIN, Madison, WI
BS in History, with distinction, 1995

OXFORD UNIVERSITY, Oxford, UK
Coursework in International Politics and History, 1992

HONORS

U.S. DEPARTMENT OF STATE, Washington, D.C.
* Recipient of the Benjamin Franklin Award.
* Tenured as a Foreign Service Officer of the United States, January 2006.

SYRACUSE UNIVERSITY, MAXWELL SCHOOL, Syracuse, NY
* Won the Syracuse All-University Doctoral Prize.

* Awarded a Research Assistance-ship from the Global Affairs Institute, Maxwell School of Citizenship, Spring 2000.

* Given the Information Management & Technology Interdisciplinary Fellowship, 2001-2002.

PUBLICATIONS & CONFERENCE PAPERS

“Cyber: Building Organizational Response Policy for Information Security Incident,” in *Cyber security: public sector threats and responses*, London: Taylor & Francis, Forthcoming.

“Treasure Trove or Trouble: Cyber-Enabled Intelligence and International Politics,” *American Intelligence Journal*, in special issue “Cyber Security and Operations,” Forthcoming.

“Border Security: From a Bilateral to Truly Bi-national Policy Process,” with Bernardo Gonzalez-Arechiga, in *A War that Can't Be Won: A Journey through the War on Drugs*, Tony Payan and Z. Anthony Kruszewski, eds., Tucson: University of Arizona Press, Forthcoming.

“Diplopedia Imagined: Building State’s Diplomacy Wiki,” with Tiffany Smith, 2010 International Symposium on Collaborative Technologies and Systems, Chicago, IL, May 2010.

“Diplomacy Rebooted: Making Digital Statecraft a Reality,” *Foreign Service Journal*, March 2010.

“Fusing Information to Distill Actionable Intelligence: A Case Study of the DOD’s Interagency Collaboration Limited Objective Experiment,” 51st Convention of the International Studies Association, New Orleans, LA, February 2010.

“Managing the U.S – Mexico Border: Human Security and Technology,” with Tony Payan, published by the Baker Institute for Public Policy, Houston, TX, April 2009.

“Webtapping: Securing the Internet to Save Us from Transnational Terror?” *First Monday*, December 2008.

“Relational Linkages of Associational Networks Embedded in Terrorist Events,” with Devika Subramanian, Derek Ruths, John Miller and Nicholas Muscara, *Networks in Political Science*, June 2008, Kennedy School of Government, Harvard University.

“Municipal Connectivity Provision: Societal Imperative or Fiscal Folly,” with Kirsten Jones, published by the Baker Institute for Public Policy, Houston, TX, June 2008.

“Wiretapping, Surveillance and the Internet,” published by the Baker Institute for Public Policy, Houston, TX, January 2008.

Conquest in Cyberspace (Review), *Journal of Information Technology and Policy*, Spring 2008.

“Hacking the Nation State: Security, Information Technology and Policies of Assurance,” *Journal of Information Systems Security*, Vol. 17, No. 3, 2008.

“May a Thousand Wikis Bloom: the Politics of Ubiquitous Web Publishing in the U.S. Federal Bureaucracy,” presented to the American Political Science Association, Chicago, IL, September 1, 2007.

“The Electronic Passport or What Computers Can’t Do,” Managing Borders in a New Security Environment, a conference of the Migration Policy Institute, Laredo, TX, August 11, 2007.

“Innovation by Policy: A Study of the Electronic Passport,” published by the Baker Institute for Public Policy, Houston, TX, May 2007.

“Planning, Legislating, and Implementing the Information Revolution in South Korea,” presented to the American Political Science Association, Chicago, IL, September 2004.

“Law, Trust and the Wired World: Privacy, Profiling and E-Commerce,” *Maxwell Review*, Spring 2001.

“Western Military Intervention in the Peacemaking Process,” presented at The Interdisciplinary Forum on Military Studies, Ohio State University, November 2000.

WORKING PAPERS

“A Methodology for Inferring Multi-resolution Classifications for Violent Groups based on Behavioral Attributes,” with Derek Ruths, Devika Subramanian, John Miller.

INVITED PRESENTATIONS

AMERICAN PETROLEUM INSTITUTE IT SECURITY CONFERENCE, November 2010
Educating the IT Security Workforce

IJIS INSTITUTE WINTER BRIEFING, January 2010
The Role of IT in Global Law Enforcement and Homeland Security – Advancing Policy

AMERICAN COUNCIL FOR TECHNOLOGY – INDUSTRY ADVISORY COUNCIL, May 2009
IT in the Evolved Organization

UNIVERSITY OF ST. THOMAS, April 2009
Global Interconnection

SECUREWORLD HOUSTON EXPOSITION, February 2009
Collective Information Security

MIGRATION POLICY INSTITUTE, February 2009
Mobility and Security at the US-Mexico Border: Policy Challenges and Institutional Responses

INTELLIGENCE AND NATIONAL SECURITY ALLIANCE, July 2008
Policy Informatics brief regarding transnational violence at the Research in America Summit

SECRETARIA DE RELACIONES EXTERIORES DE MEXICO, April 2008
Presentation to the Mexican Foreign Ministry and Immigration Agency on enterprise architecture for immigration control

EL COLEGIO DE MEXICO, March 2008
Security and Regional Integration: the U.S.-Mexico border

UNIVERSITY OF TEXAS, SCHOOL OF PUBLIC HEALTH, March 2008 & April 2009
International Conflict 101, Military-Humanitarian Operations

ISC2, March 2008
The International Politics of Information Security

EXXON-MOBIL CORPORATION, GLOBAL IT SERVICES, October 2007
Informatics in International Turbulence: Understanding and Quantifying Instability

GREATER HOUSTON CHAMBER OF COMMERCE, September 2007
Embracing Policies of Innovation: Houston's IT Future

COMPUTER AND INFORMATION TECHNOLOGY INSTITUTE, RICE UNIVERSITY, August 2007
IT and Public Policy, New Avenues for Interdisciplinary Research

ROCKEFELLER COLLEGE, SUNY ALBANY, April 2007
eDiplomacy: Technology and Decision for Foreign Affairs, via videoconference

ALUMNI COLLEGE, RICE UNIVERSITY, February 2007
Expectations for Privacy and Data Security in a Networked World

CONFERENCE OF THE WIKIA FOUNDATION, HARVARD LAW SCHOOL, August 2006
Diplopedia: Application of the Wiki Model for Collaborative Drafting in Foreign Affairs

NATIONAL FOREIGN AFFAIRS TRAINING CENTER, March 2006
Transforming Diplomacy: Knowledge Management for a 21st Century Diplomatic Corps

GEORGE WASHINGTON UNIVERSITY, CYBERCORPS SEMINAR, February 2006
Cross-Disciplinary Study of Information Security

NATIONAL FOREIGN AFFAIRS TRAINING CENTER, October 2005
Political Reporting: Lessons Learned from the Field

UNIVERSIDAD IBEROAMERICANA, July 2004
Guest lecture on U.S.-Mexico bilateral issues, border policy and counterterrorism strategy
(presentation entirely in Spanish)

SYRACUSE UNIVERSITY, June 2001
Presentation to the Ambassador of the Democratic People's Republic of Korea to the United Nations
on the Information Technology and Policy Management

TEACHING

RICE UNIVERSITY
Computer Science 301 – Technology and Politics in the Information Age
Computer Science 514 – Energy, Sustainability & IT
National Security in the Post-Cold War, Post-9/11 World

UNIVERSITY OF HOUSTON
Information & Logistics Technology 6321 – Introduction to Information Security

PROFESSIONAL SERVICE

Member, Greater Houston Partnership Technology Infrastructure Committee, 2009 – Present.
Member, Rice University Information Technology Advisory Committee, 2008 – Present.
Co-Chair, Rice University Educational Technology Committee, 2009 – 2010.
Reviewer, Journal of Information Systems Security, 2008 – Present.
Reviewer, International Studies Quarterly, 2007 – Present.
Reviewer, Journal of Information Technology and Politics, 2006 – Present.
Mentor, Rice University Fellowships and Awards Community, 2007 – Present.
Member, Houston Serious Games Consortia, 2006 – Present.
Member, Executive Committee, Information Technology and Politics section, American Political Science Association, 2007 – 2009.
Reviewer, International Digital Government Working Group, Center for Technology in Government, SUNY Albany, October 2006.
Hometown Diplomat, U.S. Department of State, Summer 2005.

TECHNICAL SKILLS

Technically proficient in: client-server application design, object-oriented software development, HTML, SQL, Microsoft Access, Outlook, Word, Excel, PowerPoint, FrontPage, NT, XP, 2000, Dreamweaver, SAS, SPSS, Lotus Notes, Visio, Linux, OSI Layers, Networking, Ethernet, Internet and Telecommunications Protocols, Service Oriented Architecture (SOA) and PERL.

AFFILIATIONS

Member of the Association for Computing Machinery (ACM), International Studies Association (ISA) and Information Systems Security Association (ISSA).

Former member of the American Political Science Association (APSA), American Foreign Service Association (AFSA) and Federation of American Scientists (FAS)

LANGUAGES

Fluent speaker of Spanish.