Curriculum Vitae

Lisa S. Nelson
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Education

University of Wisconsin-Madison

Ph.D. Political Science
      Preliminary exams: Public Law, Comparative Politics, and Political Theory
      Dissertation Topic: Decision-making in the Supreme Court
Juris Doctorate
M.A. Political Science
B.A. Political Science

Current Positions: **2010- present:** Associate Professor, Graduate School of Public and International Affairs
      2000-2009: Assistant Professor, Graduate School of Public and International Affairs
      2000-present: Affiliated Faculty, University of Pittsburgh School of Law
      2000-present: Fellow, Center for the Philosophy of Science, University of Pittsburgh
      2010-present: Affiliated Faculty, Center for Bioethics and Health Law
      2017-present: Affiliate Scholar, Cyber, Law, Policy and Security
      2011-2013: Member, Data Integrity and Privacy Committee, DHS

Publications:
Books:

Internet Regulation, Unfreedom and Censorship Oxford University Press (forthcoming)

Social Media and Morality: Losing our Self Control Cambridge: Cambridge University Press, 2018

America Identified: Biometric Technology and Society. Cambridge: MIT Press, 2010

Chapters in Book:

"The Next Wave of Cyber Attacks: Critical Infrastructure, Security and Risk Management," in Emirates Center for Strategic Studies and Research (ECSSR), *Technology: Impacts, Challenges and the Future* (Abu Dhabi: ECSSR, 2015), pp. 231–248.

"Constructing Policy: the Unsettled Question of Biometric Technology and Privacy." *Privacy and Technologies of Identity: A Cross-Disciplinary Conversation.* Eds. Katherine Strandburg and Daniela Stan Raicu. London: Kluwer Press, 2005. 151-171.

Articles:

"Middle School Students' Perspectives Toward a School-based and Online Cyberbullying Prevention Intervention." Forthcoming in Prevention Science

"The Good, Bad and the Ugly" in *Techné: Research in Philosophy and Technology,* Vol. 24, Issues 1 & 2 (2020): 195-218
"Normative Dimensions of Paternalism and Security" in *I/S: A Journal of Law and Policy for the Information Society* Volume 2, Issue 1 (2006): 27-51.

"Special Report: Technology, Privacy and Civil Liberties" in *Public Administration Review,* Volume 64, Issue 3 (2004): 259-269.

"Protecting the Common Good: Technology, Objectivity, and Privacy" in *Public Administration Review*, Volume 62, Issue Supplement s1, (2002): 69-73.

"The Law vs. The People" in *The Law and Politics Book Review,* Vol. 11 No. 3 (2001): 114-119.

Pending Funding

NSF: Adoption of Artificial Intelligence Platforms for Resilient Critical Infrastructures
Critical infrastructure systems, such as electric power grids, are currently experiencing drastic technological changes due to the increased use of computerized platforms for their operation, management and administration, including the deployment of new artificial intelligence (AI) tools to improve planning, design, decision making and many other functions. These technological changes already cause a changing work environment at a time when society is increasingly demanding improved quality of service and, in particular, better resilience. However, this call for increased resilience may not be answered due, in part, to a large percentage of the workforce in these infrastructure systems retiring. Thus, there is a critical need for training programs to prepare a future workforce in critical infrastructure systems with advanced knowledge in AI and resilience so they can adapt to the changing work environment by understanding how AI tools 2 operate and how to effectively use them to improve resilience. In this project we will build a traineeship program to address the implications in the future of work that the adoption of AI for improved resilience create for critical infrastructures as it impacts both workers and their work. By combining course work, research, internal and external collaborations and various participation activities our program will focus on developing a more diverse workforce with a strong STEM foundation

Completed Research

Social Media and Morality: Losing our Self Control (Cambridge University Press, 2018)

The present work provides a philosophical framework for conceptualizing the moral significance of social networking technologies and, in doing so, intends to develop a new trajectory for future research. The central premise is that mediation of social networking technologies possesses phenomenological effects important to the actions we take and the decisions we make in a morally significant way. At a time when our communications, interactions and transactions increasingly rely upon the medium of technology, it is essential to begin to understand whether and in what ways our technological tools might affect our own sensibilities about morality.

AT&T Cyberbullying Initiative (completed 2020)

With subject matter experts from the University of Pittsburgh (Pitt) Institute for Cyber Law, Policy, and Security as the anchor partner that will engage other university departments, AT&T and Pitt Cyber

launced a series of events and educational opportunities to show that Pittsburgh models inclusion and civility, both online and in everyday life. The subject matter experts include Lisa Nelson (Graduate School of Public and International Affairs) Rosta Farzan (School of Computing and Information) Mary Ohmer (School of Social Work), Ana Radovic (UPMC). The goals of the program development were to identify novel ways to address hate and cyber bullying online and operationalize these ideas into a unique pilot program that has translatability nationwide.

Biometrics and Privacy: Society, Perceptions and Legal Doctrine (completed 2010)

National Science Foundation Funded research
I served as a co-principal investigator on this four year multi-disciplinary National Science Foundation Grant. My portion of this grant was $450,000 which was used to develop a large-scale study of societal interactions with biometric technologies addressing the issues of privacy concerns, data storage, and trust and reliability. This research included an analysis of the societal and legal issues raised by the implementation of biometric technology to provide the theoretical foundation for the social scientific data collection stage. My Co-PIs were Bojan Cukic, PhD (WVU); Stephanie Schuckers, PhD (Clarkson); Michael Schuckers (St. Lawrence University) Anil Jain PhD, (Michigan State); and Larry Hornack PhD (WVU). My book, *America Identified: Biometric Technology and Society* (MIT 2010) – a result of this research - considered the dimensions of societal acceptance of biometric technology in the context of privacy, decisional autonomy, trust and confidence in institutions, and paternalism.

Additional Funded Research:
- CITeR (Center for Identification Technology Research) Award Recipient to study the societal, legal and policy dimensions of biometric technology, 2002;
- Department of Defense Award to develop curriculum on the societal, legal and policy dimensions of biometric technology, 2002;
- $600,000 Multi-disciplinary and multi-institutional Grant received from Office of National Risk Assessment to study the process of creating decisional rules for the purposes of protecting privacy and sharing information with Radiant Trust technology. This project was done in conjunction with the Wharton School and Columbia University;
- $20,000 grant received from Office of National Risk Assessment to study societal perceptions of data sensitivity and privacy.

Public Appearances and Invited Academic Appearances

Invited Participant, Technology and Science Conference, University of Twente, Amsterdam

Presented Paper, Society for the Social Studies of Science

Invited Commenter, Privacy Law Scholars Conference

Invited Commenter, Privacy Law Scholars Conference

Invited Speaker, West Virginia School of Engineering for a seminar entitled "Privacy and Technology."

Invited Speaker, Invited Speaker as a guest of the Emirates Center for Strategic Studies and Research (ECSSR) in Abu Dhabi to speak on the subject of cyber- attacks and non-state actors

Invited Speaker, Invited Participant Privacy Scholars Conference in Washington D.C. "Should Clark Kent be held responsible for the Actions of Superman? Morality and Personal Identity."

Interview on *Privacy Piracy,* a one-hour public affairs show from the University of California, Irvine campus

Invited Speaker, National Defense Industrial Association

Invited Speaker, Biometrics Consortium

Invited Participant, National Science Foundation Workshop,

Appearance on CNN: Interviewed by CNN on the topic of biometric technology and its legal and societal implications

NPR : Interviewed by NPR on the issue of biometrics and the implications of wide scale deployment of the technology.

Center for National Preparedness: Invited speaker on the topic of biometrics, privacy and autonomy.

15th Annual Economic Crime Institute: Invited Speaker on the topic of data sensitivity, privacy and the War on Terror.

University of DePaul School of Law Symposium on Law and Technology: Invited Speaker on the topic of legal implications of biometric technology

National Academies of Science: Invited Speaker at the Conference of the Committee on Science and Technology to consider the policy and cultural implications of biometric technology

Fellowships and Scholarships

Law and Society Association Summer Institute Scholarship

Law and Society Association Graduate Student Scholarship

John D. and Catherine T. MacArthur Foundation Scholar

Columbia University Council for Educational Exchange Russian Research Abroad Scholarship, St. Petersburg, Russia

Moscow State University Educational Exchange Scholarship

Honors

2014-present Honors College Faculty Fellow

Graduate School of Public and International Affairs Annual Teaching Award
        Outstanding Student Evaluation Scores in two or more courses

Student Choice Award

Faculty Honor Roll
> Outstanding service, above and beyond the call of duty, to the Students of the University of Pittsburgh.

Excellence for the Future Award
> Outstanding achievement in the study of Constitutional Law
>> University of Wisconsin-Madison Law School

Excellence for the Future Award
> Outstanding achievement in the study of Theology and State
>> University of Wisconsin-Madison Law School

Teaching Experience

Associate Professor
> Graduate School of Public and International Affairs
>> Constitutional Law; Information Technology and Policy; Law and Civil Security; International Law, Law and Politics; Law and Literature; Sex, Law and Marriage; Globalization and the Rule of Law; Female Offender; Criminal Law; International Law; Deviance and the Law

Selected Conference Participation

"Digilantism and Super Man: Cyberspace and Morality"
> Privacy Law Scholars Conference

"Biometric Technology and Society"
> Law and Society Annual Meeting

"Normative Expectations and Liberty and Security"
> Law and Society Annual Meeting

"The Rhetoric of Security, Terrorism and Technology"
> Law and Society Annual Meeting

"Uncertain Certainty: Biometric Technology and Security"
> Law and Society Annual Meeting

"Master Narratives, and Rational Beliefs: Efficacious Praxis in Law and Engineering"
> Presented at the Annual Meeting of the Conference of the Society for the Social Study of Science, Co-authored with Professor Edward Constant of Carnegie Mellon University

"The Invisibility of Man: *The Invisible Man* and Husserl's Phenomenology of Signs,"
Law and Society Association Annual Meeting.

"The Rhetoric of Science"
International IVR World Congress on Law and Philosophy

"The West Digest System and American Jurisprudence"
Annual Meeting of the Semiotic Society of America in conjunction with The American Legal Studies Association

"Sign Processes in Complex Systems," Technical University, Dresden Germany.

"The Rhetoric of Law and the Ordering of Legal Knowledge"
Presented to Center for the Philosophy of Science, Pittsburgh Pennsylvania and Invited to International Fellows' Conference

"Reesentializing Female Criminality" Chaired Panel and Presented a paper on the *Construction of Identity* at the Law and Society Association Annual Meeting

"Inter-agency Coordination and Conflict: The Convergence of Policy and Information Technology." Presented to the Society for Social Studies of Science (4S)

"Biometric Technology: Privacy, Societal Perceptions and Policy." Presented to Society for Social Studies of Science (4S)

"Constructing Technology: Privacy, Trust and Society." Presented to Society for Social Studies of Science (4S)