



SCHOOL OF PUBLIC AND
INTERNATIONAL AFFAIRS
VIRGINIA TECH™



ANNUAL REPORT

2019

TABLE OF CONTENTS

Message from the Director.....	3
Faculty.....	5
Honors & Awards.....	8
Funded Research.....	9
Publications.....	12
Academic Presentations.....	18
Journal Editorship.....	20
Graduating Students.....	21



www.spia.vt.edu



spia@vt.edu



Arlington, VA
Blacksburg, VA
Richmond, VA

Programs & Institutes

- Center for Public Administration & Policy (CPAP)
- Government & International Affairs (GIA)
- Urban Affairs & Planning (UAP)
- Institute for Policy & Governance (IPG)

Degrees Offered

Undergraduate

- Environmental Policy & Planning (EPP) Major
- Smart and Sustainable Cities (SSC) Major
- Community Systems & Engagement (CSE) Pathways Minor

Master

- Public Administration (MPA)
- Public & International Affairs (MPIA)
- Urban & Regional Planning (MURP)

Ph.D.

- Public Administration & Public Affairs
- Planning, Governance & Globalization



@vtspia

MESSAGE FROM THE DIRECTOR

The 2019 calendar year was a year of important changes for SPIA. I began my tenure as the new school director in August, the same month that the school's DC area section moved from its former location in Alexandria to Arlington, Virginia. We also successfully hired two new faculty members: Theo Lim as an assistant professor in the UAP, and Stephanie Smith as an associate professor with tenure in CPAP. As of the end of December 2019, SPIA has 10 assistant professors, 15 associate professors, and 7 full professors. Furthermore, in the Fall, Mrs. Lynn Schnurr, an executive consultant at General Dynamics Information Technology, was elected as the new chair of SPIA's Advisory Board. The board also welcomed SPIA alum and donor Jerry E. Cox as a new member.

There were other "firsts" for SPIA. Professor Steven Hankey became SPIA's first faculty member to receive the prestigious CAREER award from the National Science Foundation (NSF). This \$500,000 grant enables Steve to launch a five-year research project entitled "Leveraging mobile monitoring, low-cost sensors, and Google Street View imagery to identify and modify street-level determinants of exposure to particulate air pollution." SPIA also hosted, for the first time, 25 members of the Mandela Washington Fellows program for six weeks at our Northern Virginia campus. As part of our new marketing and recruitment efforts, SPIA sponsored live broadcast programming on National Public Radio, ran ads on Washington, D.C. trains and buses, and took part in the Association of the U.S. Army's (AUSA) annual meeting and expo. We also improved our presence on social media sites like Facebook, Twitter, and LinkedIn.



MEHRZAD BOROUJERDI
DIRECTOR

SCHOOL OF PUBLIC & INTERNATIONAL AFFAIRS
VIRGINIA TECH

In terms of programs, we started a double major in "Smart and Sustainable Cities and Real Estate." This will enable students to combine their knowledge of commercial real estate with sustainable urbanization to find careers in government, planning and engineering consulting firms, real estate development, and private industry. We also launched the Community Systems & Engagement (CSE) Pathways Minor (in collaboration with Departments of Sociology, Human Development and Family Science, VT Engage, and the Leadership and Social Change Residential College) to enable students to work collaboratively to solve common community challenges and address global problems. SPIA faculty also played a leading role in the creation of the new Science, Technology & Engineering in Policy (STEP) graduate certificate program as a part of Virginia Tech's Policy Destination Area. This program connects policy studies into the science and technology education of participating MA and Ph.D. students, allowing them to build on their technical skills to focus on the connections between STEM-H and policy in an interdisciplinary atmosphere. In addition, SPIA offers a range of graduate certificate programs, including those in economic development, homeland security policy, local government management, nonprofit and NGO management, and security studies. SPIA faculty were also involved with the Global Forum on Urban and Regional Resilience (GFURR), the Rural Virginia Initiative, and ASPECT (the Alliance for Social, Political, Ethical, and Cultural Thought) PhD program.

The Governor of Virginia approved funding for the third cohort of the Virginia Management Fellows (VMF) program. This sponsored program is part of a larger



research effort analyzing the succession planning projects and initiatives of the Commonwealth of Virginia, which has so far invested \$1,050,000 in sponsored research for SPIA's Applied Research Campus leadership team in Richmond and for study of the VMF program.

As you will see in the following pages, SPIA faculty accomplished a great deal in the 2019 calendar year including:

- Receiving eight university and national awards.
- Winning an impressive \$2.7 million dollars in competitive external and internal grants.
- Publishing 4 books, 13 book chapters, and 54 journal articles. These included books and book chapters published by Oxford, Routledge, Sage, and Telos presses; and articles in highly ranked disciplinary and interdisciplinary journals such as *Transport Reviews*, *Economic Development Quarterly*, *International Journal of Disaster Risk Science*, *Sustainability*, *Presidential Studies Quarterly*, *Problems of Post-Communism*, *Sociological Theory*, and *American Review of Public Administration*.
- Serving as editor in chief or member of the main editorial boards of 16 different journals and book series.
- Presenting their research at numerous universities and conferences domestically and internationally (including Austria, Canada, Estonia, France, Georgia, Germany, Italy, Netherlands, Norway, UK, and Uruguay).

In calendar year 2019, fourteen SPIA students earned their doctoral degrees, sixty students earned their masters' degrees, and thirty-nine students earned their undergraduate degrees.

At the conclusion of 2019, CPAP Professor Sara Jordan and NCR operations manager Julie Hudson left SPIA, and Professor Yang Zhang concluded his term as the school's associate director. I want to express my thanks to Yang, Sara, and Julie, as well as my predecessor, Professor Joel Peters, who served capably as SPIA's interim director since 2018.

Congratulations to every member of the SPIA family for their accomplishments.

REGULAR FACULTY



Ariel Ahram

Associate Professor
GIA



David Bieri

Associate Professor
UAP



Mehrzad Boroujerdi

Director,
SPIA



David Bredenkamp

Assistant Professor
CPAP



Ralph Buehler

Associate Professor
UAP



Maggie Cowell

Associate Professor
UAP



Giselle Datz

Associate Professor
GIA



Stephanie Davis

Collegiate Assistant
Professor
CPAP



Matthew Dull

Associate Professor
CPAP



Adrienne Edisis

Associate Professor
CPAP



Ralph Hall

Associate Professor
UAP

Undergraduate
Programs Director

Associate Director,
SPIA



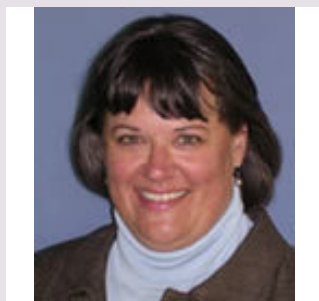
Steve Hankey

Assistant Professor
UAP



Karen Hult

Professor
CPAP



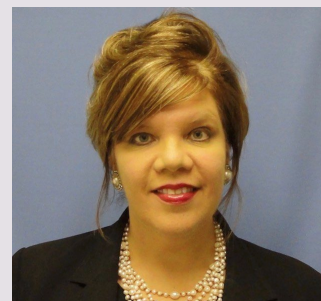
Laura Jensen

Associate Professor
CPAP



Sarah Jordan

Assistant Professor
CPAP



Leisha LaRiviere

Adjunct Professor
CPAP

Associate Director,
Richmond



Robin Lemaire

Associate Professor
CPAP



Chad Levinson

Assistant Professor
GIA



Theodore Lim

Assistant Professor
UAP



Timothy Luke

University Distinguished
Professor
GIA



Eric Malczewski

Assistant Professor
CPAP



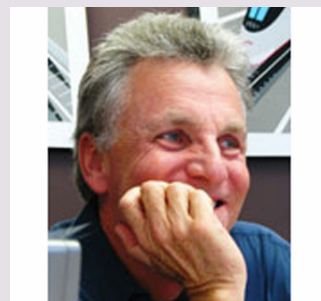
Shalini Misra

Associate Professor
UAP



Joel Peters

Professor
GIA



Joe Rees

Associate Professor
CPAP



Patrick Roberts

Associate Professor
CPAP



Tom Sanchez

Professor
UAP



Todd Schenk

Assistant Professor
UAP



Thomas Skuzinski

Assistant Professor
UAP



Stephanie Smith

Associate Professor
CPAP



Max Stephenson

Professor
UAP

Director, Institute for
Policy and Governance



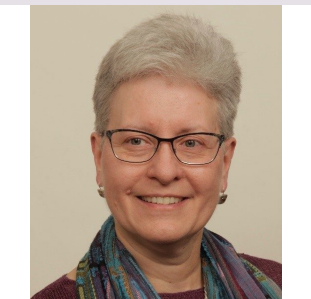
Gerald Toal

Professor
GIA



Kris Wenstedt

Professor
UAP



Dianne Zahm

Associate Professor
UAP



Wenwen Zhang

Assistant Professor
UAP



Yang Zhang

Associate Professor
UAP



Raymond Zuniga

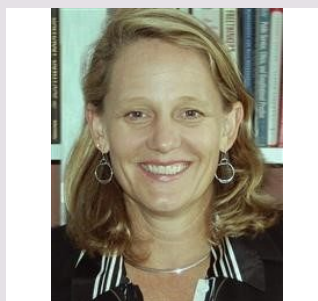
Assistant Professor
CPAP

PROFESSORS OF PRACTICE



Joyce Barr

Professor of Practice
GIA



**Mary Beth
Dunkenberger**

Associate Director,
Institute for Policy &
Governance



Jeffery Glick

Professor of Practice
SPIA



Shelley Mastran

Professor of Practice
UAP



James Moran

Professor of Practice
SPIA



Elizabeth Morton

Associate Professor
of Practice
UAP



Randall Murch

Professor of Practice
SPIA

EMERITUS FACULTY



James Bohland
Professor Emeritus



Brian Cook
Professor Emeritus



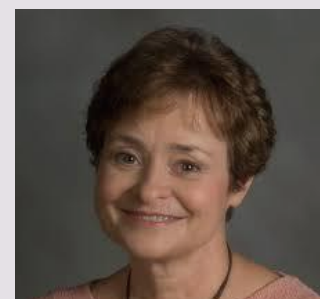
Larkin Dudley
Professor Emerita



Wilma Dunaway
Professor Emerita



John Randolph
Professor Emeritus

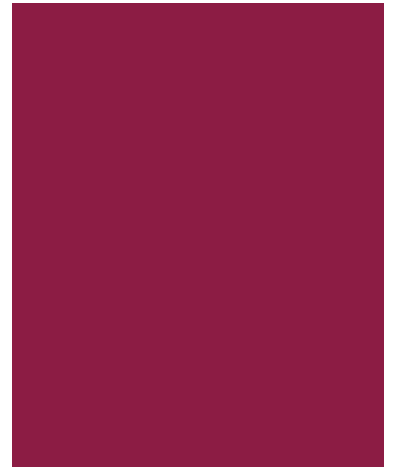


Joyce Rothschild
Professor Emerita



James Wolf
Professor Emeritus

HONORS & AWARDS



Ariel Ahram

Received the Certificate of Excellence in Scholarship, College of Architecture and Urban Studies (CAUS).

Joyce Barr

Elected as a fellow of the National Academy of Public Administration.

Stephanie Davis and Leisha LaRiviere

Received CAUS Certificate for Excellence in Outreach Award.

Chad Levinson

Received Leonard D. White Award for best dissertation in public administration, American Political Science Association.

Todd Schenk

Received the Faculty/Staff Civility award, Virginia Tech Student Affairs.

Max Stephenson

Selected as Visiting Scholar in Governance, Shandong University, Shandong, China, 2019.

Gerard Toal

Received Ethnicity, Nationalism & Migration Studies (ENMISA) Distinguished Book Award 2019 for *Near Abroad: Putin, the West and the Contest for Ukraine and the Caucasus* (Oxford University Press, 2017).



FUNDED RESEARCH

Ralph Buehler

E-Scooter Deployment, SPIN/FORD. Principal Investigators: Mollenauer, M. Amount: \$12,500 (entire project is about \$600,000), 07/01/2019.

Maggie Cowell and Elizabeth Morton

VT Collaboratory in the National Capital Region ('Collaboratory') - A Social Science and Design Research and Engagement Agenda for HQ2 and VT's Innovation Campus, Institute for Society, Culture, and Environment (ISCE). Amount: \$100,000, 2019-2021.

Stephanie Davis

Grayson County Organizational Assessment, Grayson County, VA. Amount: \$9,500, 08/01/2019.

Town of Vinton Pay Study, Town of Vinton, VA. Amount: \$6,800, 08/01/2019.

Town of Abingdon Capital Improvement Plan, Town of Abingdon, VA. Amount: \$8,000, 08/01/2019.

Mathews County Compensation and Classification Plan, Mathews County, VA. Amount \$16,000. 08/01/2019.

Virginia Government Finance Officers' Association Professional Development Contract. Amount: \$33,000. 03/01/2029.

Ralph Hall

VT Food Access and Security Study, Virginia Tech College of Science, Principal Investigators: Hall, R.P., Ranganathan, S., Lucero, C. Amount: \$5,000, 05/24/2019.

Adaptive Lifelong Learning Pathways for an Inclusive Innovation Economy, Calhoun Center for Higher Education Innovation, Center for Humanities, ICAT, CALS, Pamplin, CAC, NCR, Principal Investigators: Rikakis T; Johnson S; McNair L; Khademian A; Carlson K; Tegarden D; Holt M; Lockee B; Holmes G; Sanders KE. Amount: \$105,000, 04/09/2019.

VT Food Access and Security Study, Virginia Tech Office of Outreach and International Affairs, Principal Investigators: Hall RP; Ranganathan S; Lucero C. Amount: \$10,000, 01/31/2019.

Urban Footprint, School of Public and International Affairs and Urban Affairs and Planning program. Amount: \$3,000, 01/22/2019-05/17/2019.

Steve Hankey

CAREER: Leveraging mobile monitoring, low cost sensors, and Google Street View imagery to identify and modify street-level determinants of exposure to particulate air pollution, National Science Foundation (NSF), 2020-2025, Principal Investigator. Amount: \$500,000.

Seeing the forest for the trees: Developing Google street view-based metrics of nature and the influence on health, NIH, Co-Investigator. Total amount: \$200,000 (share to VT: \$8,100), 2019-2021.

Urban Green (Infra)structure for Pedestrian Health, The Center for Health & Nature (Houston Methodist/Texas A&M). Amount: \$25,000, 03/29/2019.





Leisha LaRiviere

Virginia Department of Behavioral Health and Developmental Services (VDBHDS) Project, VDBHDS.
Amount: \$59,500, 05/06/2019-12/31/2019.

Virginia Department of Behavioral Health and Developmental Services Project, VDBHDS.
Amount: \$59,500, 05/06/2019-12/31/2019.

Virginia Management Fellows Cohort 2, Commonwealth of Virginia. Amount: \$175,000, 06/10/2019-06/09/2021.

Virginia Public Sector Leadership Level 1, VDBHDS.
Amount: \$74,000, 01/01/2019-12/31/2019.

Virginia Public Sector Leadership Level 2, VDBHDS.
Amount: \$37,000, 01/01/2019-12/31/2019.

Virginia Public Sector Leadership Level 3, VDBHDS.
Amount: \$92,500, 01/01/2019-12/31/2019.

Leadership and Management Pathways Program.
Amount: \$25,000, 01/01/2019-12/31/2019.

Chad Levinson

Source-Frame Congruence in US National Security Information Campaigns, Institute for Society, Culture, and Environment (ISCE), Principal Investigators: Mitra T; Goode B; Crandell I; Pires B. Amount: \$30,000, 07/15/2019.

Theo Lim

Designing and training a physical simulation-machine learning-based watershed planning support system, Institute for Society, Culture, and Environment (ISCE).
Amount: \$16,517, 05/01/2019.

Joel Peters

2019 Mandela Washington Fellowship for Young African Leaders, International Research & Exchange Board.
Amount: \$83,123, 01/15/2019-08/15/2019.

Todd Schenk

Advancing Invasive Species Science, Policy & Management: Learning from and Coordinating Among North American Centers, Virginia Tech Policy Strategic Growth Area, Principal Investigators: Barney J; Schenk T.
Amount: \$12,000, 11/01/2019.

Invasive Species Working Group, Fralin Life Science Institute, Principal Investigators: Barney J; Haak D; Brown B; Schenk T; Salom S. Amount: \$25,000, 07/01/2019-06/30/2020.

Wenwen Zhang

The Social and Policy Impacts of Autonomous Electric Mobility: A Coupled Model for Transportation and Land Use Models, 4-VA Collaborative Research Grant, Principal Investigators: Chen D. Amount: \$25,000,



03/31/2019-03/31/2020.

Managing Energy & Emissions of Autonomous Electric Vehicles, Jeffress Foundation, Principal Investigators: Chen D. Amount: \$42,123, 06/30/2019-06/30/2020.

Yang Zhang

What Drives Hazard Mitigation Policy Adoption? – FEMA's Property Buyout Program in Virginia, Natural Hazards Center. Amount: \$2,500, 11/29/2019.

Institute for Policy & Governance

The Regional Detox Community Action Plan (RDAP), Virginia Higher Education Opioid Consortium (VHEOC), 2019-2020. Amount: \$32,311

SwiftStart Strengthening Working Families Initiatives (SWFI) Program Evaluation, Total Action for Progress (TAP), 2019-2020. Amount: \$55,595.

Crisis Response and Harm Reduction: Connection to Care 549550, US Office of Drug Enforcement Policy, 2019-20. Amount: \$299,456

Re-Employment Support and Training Evaluation, Total Action for Progress (TAP), 2019-2022. Amount: \$35,000.

Preventing and Reducing Opioid Misuse, United States Department of Agriculture and Office of Rural Health. Amount: \$5,985.

VHDA Economic Impact Study, Virginia Housing Development Authority (VHDA)/Virginia Housing, 2019-2020. Amount: \$94,549.

Community Change Collaborative, VT Center for Peace Studies and Violence Prevention, Principal Investigators: Stephenson M; Nagle L, Amount: \$30,000, 07/01/2019-07/01/2021.

VHEOC 4 - Messaging Project to Promote Continuum of Care in the West Piedmont Health District, Virginia Dept. of Behavioral Health and Developmental Services (VDBHDS), Virginia Higher Education Opioid Consortium (VHEOC), 2019-2020. Amount: \$35,262.

Federal Reimbursement Unit (FRU), Fairfax County, VA Department of Family Services Child Protective Services and Foster Care and Adoptions Programs, Fairfax/Falls Church Children's Services' Act, 2019-2020. Amount: \$575,010.

PUBLICATIONS

Books or Monographs

Ariel Ahram

Break All the Borders: Separatism and the Reshaping of the Middle East (New York: Oxford University Press, 2019).

Timothy Luke

Anthropocene Alerts: Critical Theory of the Contemporary as Ecocritique (Candor, NY: Telos Press, 2019).

The Arab-African Connection: Political and Economic Realities, co-authored with Victor T. Le Vine (New York: Routledge, 2019).

Max Stephenson

Fragile Foundations and Enduring Challenges: Essays on Democratic Politics and Governance (VT Publishing, 2019).

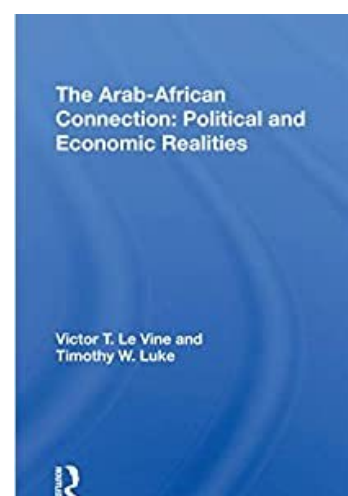
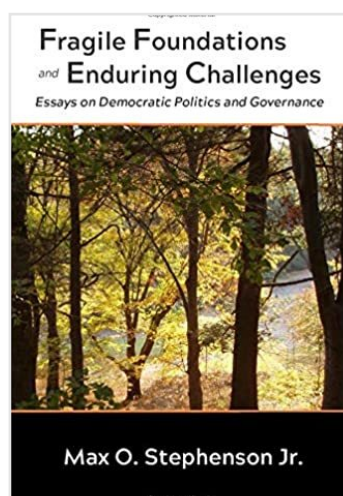
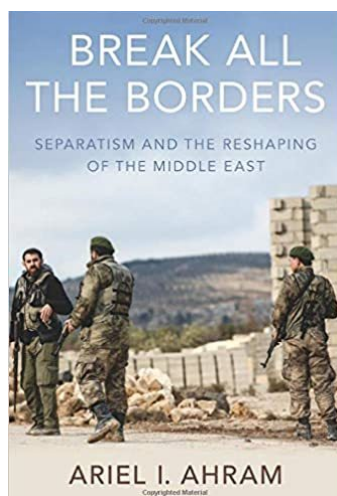
Book Chapters

Mehrzad Boroujerdi

"Iran." In Ellen Lust, ed., *The Middle East, 15th edition* (Sage/Congressional Quarterly, 2019), pp. 395-416.

Giselle Datz

"Financial Globalization and Domestic Policy Making." *Oxford Encyclopedia of Latin American Politics*, eds. Gary Prevost and Harry Vanden (New York: Oxford University Press, 2019).



Sarah Jordan

"A Hong Kong Way of Social Equity." *Social Equity in the Asia-Pacific Region*. Edited by Morgen Johansen (Palgrave Macmillan, 2019).

Robin Lemaire

"Networks and public administration." In *Oxford Research Encyclopedia of Politics* (Oxford University Press, 2019).

Timothy Luke

"Dialectics of Degrading Datafication: The Cultural Politics of Ecological Footprints in Earth System Governance." In *The Dialectics of Digital Culture*, eds. David Arditi and Jennifer Miller (Lanham, MD: Lexington Books, 2019), pp. 29-46.

"Afterword: On Technological Unemployment and Education." In *Technological Unemployment and Education*, eds. Michael A. Peters, Petar Jandrić, and Alexander J. Means (Singapore: Springer Nature, 2019), pp. 343-349.

"Discourses and Meanings of 'the Environment.'" In *The Routledge Companion to Environmental Planning*, eds. Simin Davoudi, Richard Cowell, Iain White, and Hilda Blanco (London: Routledge, 2019), pp. 32-42.

Shalini Misra

Lotrecchiano, G. & Misra, S. "A systems perspective for measuring the features of transdisciplinary knowledge producing teams." In *Embracing Complexity in Health: The Transformation of Science, Practice and Policy*, ed. J. Sturmberg (New York, NY: Springer, 2019).

Patrick Roberts

"Natural hazards governance in democratic states with developed economies." In *Oxford Research Encyclopedia of Natural Hazard Science* (2019).

Patrick Roberts and Jeffrey Glick

Roberts, P., Glick, J., & Wamsley, G. "The Evolving Federal Role in Emergency Management: Policies and Processes." In C. Rubin, ed., *Emergency Management: The American Experience 1900-2015* (3rd ed.) (Boca Raton, FL: Taylor & Francis, 2019), pp. 239-266.

Roberts, P., Glick, J. (2019). "From Painful Past to Uncertain Future." In C. Rubin (Ed.), *Emergency Management: The American Experience 1900-2015* (3rd ed.) (Boca Raton, FL: Taylor & Francis, 2019), pp. 267-276.

Patrick Roberts and Kris Wernstedt

Roberts, P., Wernstedt, K., Arvai, J., & Redmond, K. "The Emergency Manager as Risk Manager." In *Disaster Research and the Second Environmental Crisis*, eds. J. Kendra, & S. Knowles (New York, USA: Springer, 2019), pp. 261-275.

Yang Zhang

Zhang, Yang and Drake William (2019). "Housing Recovery after Disasters." In Michael K. Lindell (ed.) *The Routledge Handbook of Urban Disaster Resilience: Integrating Mitigation, Preparedness, and Recovery Planning* (New York: Routledge), pp. 264-283.

Journal Articles

David Bieri

Bieri, David and C.J. Dawkins. "Amenities, Affordability and Housing Vouchers," *Journal of Regional Science* 56(1), 2019: 56-82.

David Bredenkamp

Baggetta, M., Bredenkamp, D. (2019). "Systematic Social Observation in the Study of Civil Society Organizations," *Sociological Methods and Research*.

Ralph Buehler

Buehler, R., Pucher, J., & Duemmler, O. (2019). "Verkehrsverbund: The Evolution and Spread of Fully-Integrated Regional Public Transport in Germany, Austria, and Switzerland," *International Journal of Sustainable Transportation*.

Eisenmann, C., Buehler, R. (2019). "Are cars used differently in Germany than in California? Findings from annual car-use profiles," *Journal of Transport Geography* 69: 171-180.

Buehler, R., Kuhnimhof, T., Bauman, A., & Eisenman, C.



(2019). "Is Active Travel a Stable Physical Activity Behavior? Evidence from the German Mobility Panel," *Transportation Research Part A: Policy and Practice*.

James, O., Swiderski, J.I., Hicks, J., Teoman, D., & Buehler, R. (2019). "Pedestrians and E-Scooters: An Initial Look at E-Scooter Parking and Perceptions by Riders and Non-Riders," *Sustainability*.

Heinen, E., & Buehler, R. (2019). "Bicycle parking: a systematic review of scientific literature on parking behaviour, parking preferences, and their influence on cycling and travel behavior," *Transport Reviews* 39(5): 630-656.

Ralph Buehler and Steve Hankey

Le, HTK, Buehler, R., & Hankey S. (2019). "Have walking and bicycling increased in the US? A 13-year longitudinal analysis of traffic counts from 13 metropolitan areas," *Transportation Research Part D: Transport and Environment* 69: 329-345.

Botello, B., Buehler, R., Hankey S., Mondschein A., & Zhiqiu J. (2019). "Planning for Walking and Cycling in an Autonomous-Vehicle Future Transportation Research Interdisciplinary Perspectives," *Transportation Research Interdisciplinary Perspectives*.

Maggie Cowell

Lyon-Hill, S., Cowell, M., Tate, S., & Alwang, A. (2019). "Barriers and Drivers to Accessing and Using Workforce and Technical Assistance Resources for Small and Medium Manufacturers (SMMs) in Rural Regions," *Economic Development Quarterly* 33(1): 51-60.

Giselle Datz

Datz, G., Corcoran, K. "Deviant Debt: Reputation, Litigation, and Outlier Effects in Argentina's Debt Restructuring Saga," *New Political Economy*, 2019.

Mary Beth Dunkenberger

Dunkenberger, M. B., Black, S., Weaver, L. & Allen, L. "Evaluating and Informing the Local Government - Nonprofit Relationship," *Journal of Nonprofit Educational Leadership* 9(3) (2019).

Ralph Hall

Hall, R.P., Ashford, R., Ashford, N.A., & Arango-Quiroga, J. (2019). "Universal Basic Income and Inclusive Capitalism: Consequences for Sustainability," *Sustainability* 11(16).

GC, RK., Ranganathan, S., & Hall R.P. (2019). "Does Rural Water System Design Matter? A Study of Productive Use of Water in Rural Nepal," *Water*.

Domínguez, I., Oviedo-Ocaña, E.R., Hurtado, K., Barón A., & Hall, R.P. (2019). "Assessing Sustainability in Rural Water Supply Systems in Developing Countries Using a Novel Tool Based on Multi-Criteria Analysis," *Sustainability* 11(19): 1-22.

Domínguez, I., Oviedo-Ocaña, E.R., Hurtado, K., Barón, A., & Hall, R.P. (2019). "Supplementary Material. Assessing Sustainability in Rural Water Supply Systems in Developing Countries Using a Novel Tool Based on Multi-Criteria Analysis," *Sustainability* 11(19).

Steve Hankey

Hankey, S., Sforza, P., & Pierson, M. (2019). "Using mobile monitoring to develop hourly empirical models of particulate air pollution in a rural Appalachian community," *Environmental Science & Technology* 53(8): 4305-4315.

Yeganeh, A., McCoy, A., & Hankey, S. (2019). "Green affordable housing: Cost-benefit analysis for zoning incentives," *Sustainability* 11(12), 6269.

Glasgow, T., Le, HTK., Geller, S., Fan, Y., & Hankey, S. (2019). "How transport modes, the built and natural environments, and activities are associated with mood: A GPS smartphone app study," *Journal of Environmental Psychology* 66, 101345.

Le HTK, West, A., Quinn, F., & Hankey, S. (2019). "Advancing cycling among women: An exploratory study of North American cyclists," *Journal of Transport and Land Use* 12(1).



Sarah Jordan

Jordan, SR et al. (2019). "The Difference a Smile Makes". *Journal of Nonprofit & Public Sector Marketing*.

Schuelke-Leech, BA, Barry, B and Jordan, SR. (2019). "Regulating Autonomy: An Assessment of Policy Language for Highly Automated Vehicles." *Review of Policy Research*.

Jordan, SR; Gray PW. (2019) "American Bureaucracy in an Age of Oligarchy." *International Journal of Politics, Culture and Society*.

Watson, KL and Jordan, SR. (2019). "Reexamining Rulemaking in an Era of Internet Enabled Participation". *Public Performance & Management Review*.

Robin Lemaire

Lemaire, Robin H., Mannak, Remco, Ospina, Sonia, and Groenleer, Martijn (2019). "Striving for State of the Art with Paradigm Interplay and Meta-Synthesis: Purpose-oriented Network Research Challenges and Good Research Practices as a Way Forward," *Perspectives on Public Management and Governance* 2(3): 175-186.

Chad Levinson

"Gilt by Associations: Appointments to Federal Advisory Committees in U.S. National Security Politics," *Presidential Studies Quarterly* 49(1), 2019: 97-129.

Theo Lim

"Use of the McHargian LUSA in agricultural research and decision-making in the age of non-stationarity and big earth observation data," *Socio-Ecological Practice Research* 1(3-4), 2019: 297-324.

Timothy Luke

"The New World Order of Gross Dysfunction and Guided Democracy: 'Making America Great Again,'" *Telos: Critical Theory of the Contemporary* 188 (Fall 2019): 199-204.

Timothy W. Luke with Richard Beardsworth and Hartmut Behr, "The Nuclear Condition in the Twenty-first Century: Techno-political Aspects in Historical and Contemporary Perspectives," *Journal of International Political Theory* 15.3 (October 2019): 270-78.

Eric Malczewski

"The Weberian Presuppositional Analytic," *Sociological Theory* 37(4), 2019: 363-380.

"Durkheim and the Nation," *İstanbul Üniversitesi Sosyoloji Dergisi* 39(1), 2019.

Joel Peters

Pinfold, R. G., Peters, J. "The limits of Israel's periphery doctrine: Lessons from the Caucasus and Central Asia," *Mediterranean Politics* 25, 2019.



Todd Schenk

Barney, J.N., Schenk, T., Haak, D.C., Salom, S., Brown, B. & Hotchkiss, E.R. "Building Partnerships and Bridging Science and Policy to Address the Biological Invasions Crisis," *Invasive Plant Science and Management* 1-5, 2019.

Max Stephenson

Erwin, A., Stephenson, M. (2019). "Farmworker Justice, Faith and Governance: A Critical Realist Analysis of One FBO's Participatory Initiative," *Journal of Administrative Theory & Praxis* 41(4): 350-367.

Stephenson, M., Zanotti, L. "Neoliberalism, Academic Capitalism and Higher Education: An Analysis of One University in Rural Haiti," *International Journal of Educational Development* 65 (March 2019): 115-122.

Stephenson, M., Zanotti, L. (2019). "Pondering Grassroots Development Initiatives: Evidence from Haiti and Jamaica," *Forum for Development Studies*.

Kirakosyan, L., Stephenson, M. (2019). "Arts as Dialogic Practice: Deriving Lessons for Change from Community-based Art-making for International Development," *Psych*.

Gerard Toal

Toal, G., Merabishvili, G. "Borderization Theatre: Geopolitical Entrepreneurship on the South Ossetia Boundary Line, 2008-2018," *Caucasus Survey* 7, 2 (2019): 110-133.

Bachmann, V., Toal, G. (2019). "Geopolitics - Thick and Complex. A Conversation with Gerard Toal," *Erdkunde* 73(2): 143-155.

O'Loughlin, J., Toal, G. (2019). "Does War Change Geopolitical Attitudes? A Comparative Analysis of 2014 Surveys in Southeast Ukraine," *Problems of Post-Communism*.

O'Loughlin, J., Toal, G. (2019). "The Crimea conundrum: legitimacy and public opinion after annexation," *Eurasian Geography and Economics* 60(1): 6-27.

Kris Wernstedt

Wernstedt, K., Kihila, J. & Kaseva, M. (2019). "Biases and Environmental Risks in Urban Africa: Household Solid Waste Decision-Making," *Journal of Environmental Planning & Management*.

Hajhashemi, E., Murray-Tuite, P., Hotle, S. & Wernstedt, K. (2019). "Using Agent-Based Modeling to Evaluate the Effects of Hurricane Sandy's Recovery Timeline on the Ability to Work," *Transportation Research Part D: Transport & Environment* 77: 506-524.

Kris Wernstedt and Patrick Roberts

Wernstedt, K., Roberts, P.S., Arvai, J., & Redmond, K. (2019). "How emergency managers (mis?)interpret forecasts," *Disasters* 43(1): 88-109.

Roberts, P.S., Wernstedt, K. (2019). "Decision Biases and Heuristics Among Emergency Managers: Just Like the Public They Manage For?" *The American Review of Public Administration* 49(3): 292-308.

Roberts, P.S., Wernstedt, K. (2019). "Herbert Simon's Forgotten Legacy for Improving Decision Processes," *International Public Management Journal* 22(4): 591-616.

Wenwen Zhang

Feng, C., Zhang, W. (2019). "Algorithms for the parametric analysis of metric, directional, and intersection reach," *Environment and Planning B: Urban Analytics and City Science* 46(8), 1422-1438.

Zhang, G., Zhang, W., Guhathakurta, S., & Botchwey, N. (2019). "Development of a flow-based planning support system based on open data for the City of Atlanta," *Environment and Planning B: Urban Analytics and City Science*, pp. 1-18.

Zhang, W., Wang, K. (2019). "Forecasting long-term reduction trajectories of parking demand toward a shared and automated future: Parking policy adaptation agenda," *Land Use Policy*.



Wenwen Zhang and Steve Hankey

Lu, T., Zhang, W., Lansing, J., Bechle, M., & Hankey, S. (2019). "Land Use Regression models for 60 volatile organic compounds: Comparing Google Point of Interest (POI) and city permit data," *Science of the Total Environment*.

Yang Zhang

Xiao, Yu; Olshansky, Robert; Zhang, Yang; Johnson, Laurie, A.; and Song, Yan (2019). "Financing Rapid Com

munity Reconstruction after Catastrophic Disaster: Lessons from the 2008 Wenchuan Earthquake in China," *Natural Hazards*.

Suh, M., Pearce, A., Zhang, Y., Mitchell, K., & Auchey,

F. (2019). "The Impact of LEED-Energy Star Certified Office Buildings on the Market Value of Neighboring Areas in New York City," *Journal of Construction Engineering and Project Management* 9(2): 25-51.

Aksha, S.K., Juran, L., Resler, L.M., & Zhang, Y. (2019). "An Analysis of Social Vulnerability to Natural Hazards in Nepal Using a Modified Social Vulnerability Index," *International Journal of Disaster Risk Science* 10(1): 103-116.

Suh, M.J., Pearce, A.R., Song, Y., Kwak, Y.H., Kim, J.I., & Zhang, Y. (2019). "The Impact Of Leed-Energy Star Certified Office Buildings On the Market Value Of Adjoining Buildings In New York City," *Journal of Green Building* 14(1): 31-52.

Other Papers and Reports

Ariel Ahram

"In the Middle East, Separatists Are the New Spoilers," *Democracy & Society*, Center for Democracy and Civil Society, Georgetown University, vol. 16 (2019).

"How the United States Can Escape the Middle East's Proxy Wars," co-author with Alexandra Stark, Foreign Policy Research Institute's Geopolitics (October 22, 2019).

"Breaking and Mending," *Wilson Quarterly* (Fall 2019).

"Armed Non-State Actors and the Challenge of the 21st-Century State Building," *Georgetown Journal of International Affairs* 20 (Fall 2019): 35-41.

"The Future of Borders in the Middle East," Oxford University Press Blog (March 18, 2019).

"The Stockholm Agreement and Yemen's Other Wars," Brookings Institution Lawfare Foreign Policy Essay (February 3, 2019).

Ralph Buehler and Steve Hankey

Botello, B.; Buehler, R.; Hankey, S.; Mondschein, A., & Zhiqiu, J. (2019). "Planning for Walking and Cycling in an Autonomous-Vehicle Future Transportation Research Interdisciplinary Perspectives." TRB Annual meeting.

Ralph Hall

Hall, R.P., Ranganathan, S., Agnew, J., Christie, M. E., Clark, S., Kirk, G., Lucero, C., & Archibald, T. 2019. "Virginia Tech Food Access and Security Study." Virginia Tech, Blacksburg.

Theo Lim

Lim, T. (2019). Dynamic environmental models and participatory planning: prospects for integration. *Planning and Technology Today: The Newsletter of the American Planning Association's Technology Division*.

Lim, T. (2019). Urban water underground: How green infrastructure makes it visible. European Geophysical Union Blogs: Water Underground.

Eric Malczewski

Malczewski, E. (2019). "Constants in History and Sociology: A Commentary on Mark Gould's "History is Sociology," *Journal of Historical Sociology* 32(1): E11-E14.

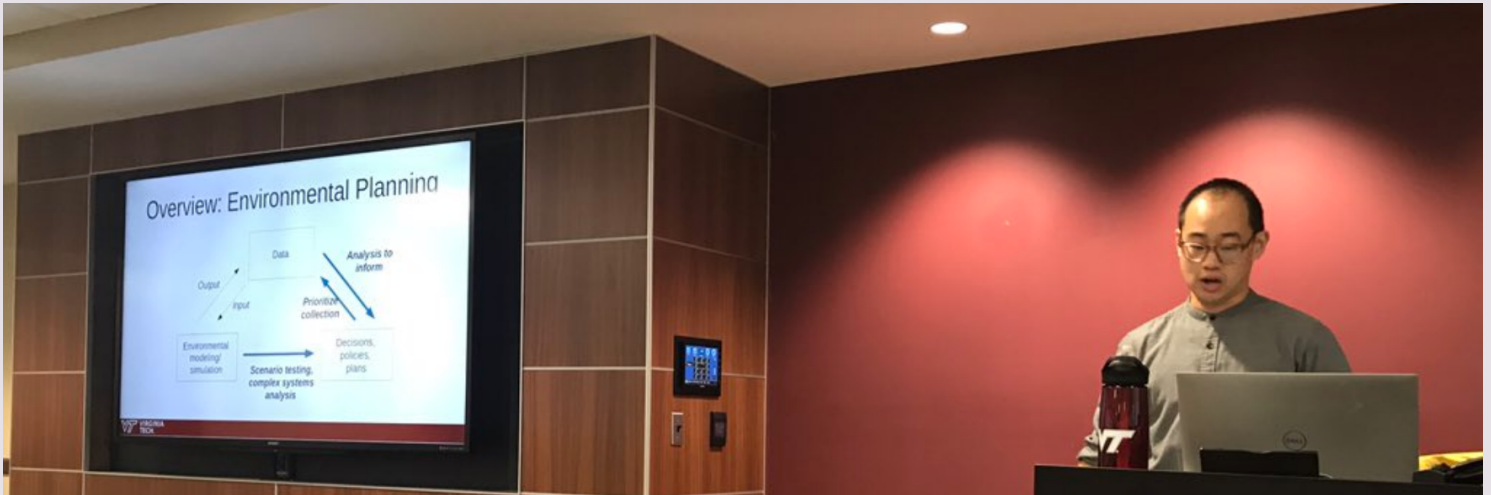
Patrick Roberts

Roberts, P. (2019). *AI for Peace*. War on the Rocks.

Patrick Roberts and Ariel Ahram

Roberts, P., & Ahram, A. (2019). "Does the United States Need a Civilian Nuclear Industry?," *The National Interest*.

ACADEMIC PRESENTATIONS



Ariel Ahram

European University Institute, Florence, Italy (October 21-22); Woodrow Wilson Center (July 24); Crown Center for Middle East Studies, Brandeis University (May 1); State University of New York at Geneseo (April 23); Project on Middle East Political Science, George Washington University (March 21); Middle East Forum, School of International and Public Affairs, Columbia University (March 12); School of International Service, American University (February 12).

David Bieri

Verein für Social Politik (Hamburg, Germany); 23rd European Society of the History of Economic Thought Annual Conference (Lille, France); Annual Meeting of the Association of American Geographers; International Studies Association Annual Conference.

Ralph Buehler

Association of Collegiate Schools of Planning Annual Meeting; Annual Meeting Association of American Geographers; Transportation Research Board Annual Conference; Conference on Active Travel and Public Health; DC Auto Show.

Maggie Cowell

American Society for Engineering Education Annual Conference; Association of Collegiate Schools of Planning Annual Conference; Nordic Geographers Meeting (Trondheim, Norway).

Giselle Datz

Third Interdisciplinary Sovereign Debt Research and Management Conference, Georgetown University Law Center (April); Annual meeting of the International Studies Association (March).

Ralph Hall

Canadian Society for Ecological Economics 12th Biennial Conference (Waterloo, Canada); Syracuse University's Faraday House in London; Conference on Endogenous Growth, Participatory Economics, and Inclusive Capitalism (Oxford University); Conference on Innovative and Transformational Ideas to Improve the Development and Policy Response to Forced Displacement (Virginia Tech); Women and Gender in Development Conference (Virginia Tech); Provost's Academic Affairs Council (ACC), Virginia Tech.

Steve Hankey

International Society of Environmental Epidemiology

(Utrecht, Netherlands); American Geophysical Union.

Karen Hult

American Political Science Association.

Robin Lemaire

Association for the Study of Food & Society (ASFS) and the Agriculture, Food and Human Values Society (AFHVS); Public Management Research Conference; Public Administration Theory Network; American Society for Public Administration.

Chad Levinson

American Political Science Association; International Studies Association Annual Convention.

Theo Lim

Association of Collegiate Schools of Planning Annual Conference.

Eric Malczewski

Social Science History Association Conference; American Sociological Association Annual Meeting; Yale University, Center for Cultural Sociology Conference; Eastern Sociological Society Meeting.

Shalini Misra

International Network for the Science of Team Science Conference (May 20-23); PAT-NET conference; International Systems and Complexity Science in Health (April 3).

Joel Peters

Auditorio at Facultad de Administración y Ciencias Sociales Universidad del Oriente, Montivideo, Uruguay (September 19); School of Advanced International Studies, (SAIS), Johns Hopkins University (April 11).

Joe Rees

Law & Society Association Annual Meeting.

Patrick Roberts

Association for Public Policy Analysis and Management; American Political Science Association; Southern Political Science Association.

Tom Sanchez

Association for Collegiate Schools of Planning Annual Conference; Annual Conference of the Transportation Research Board.

Todd Schenk

Association of Collegiate Schools of Planning; Network of Schools of Public Policy, Affairs & Administration; Ecological Society of America.

Max Stephenson

International Studies Association; Midwest Political Science Association; Appalachian Studies Association.

Gerard Toal

Tartu Conference on Russian and East European Studies (Tartu, Estonia); Institut für die Wissenschaften vom Menschen (Vienna, Austria); Tbilisi State University (Tbilisi, Georgia).

Kris Wernstedt

Association for Public Policy Analysis and Management.

Ray Zuniga

Association for Education Finance and Policy.

Wenwen Zhang

Association of Collegiate Schools of Planning Annual Conference.

Yang Zhang

Association of Collegiate Schools of Planning (ACSP) Conference; The 44th Natural Hazards Workshop.

JOURNAL EDITORSHIP

David Bieri

Editorial Board Member, *Housing Policy Debate*

Ralph Buehler

Book Review Editor, *Transport Reviews*

Editorial Board Member, *Transportation Research Part D: Transport and Environment*

Editorial Board Member, *International Journal of Sustainable Transport*

Editorial Board Member, *Journal of Transport and Land Use*

Brian Cook

Editor, *Administration & Society*

Maggie Cowell

Editorial Board Member, *Urban Affairs Review*

Karen Hult

Editorial Board Member, *Administration & Society*

Editorial Board Member, *Congress & the Presidency*

Editorial Board Member, *Presidential Studies Quarterly*

Editorial Board Member, *Rhetoric & Public Affairs*

Laura Jenson

Editorial Board Member, *Administration & Society*

Sara Jordan

Editorial Board Member, *Public Integrity*

Timothy Luke

Co-editor, *Fast Capitalism*

Associate Editor, *New Political Science*

Book Line Editor, *Telos Press Publishing*

Joel Peters

Co-editor of Book Series, *Europe and the World*, Lexington Books.

Patrick Roberts

Editorial Board Member, *Risk, Hazards & Crisis in Public Policy*.

Tom Sanchez

Editor-in-chief, *Housing Policy Debate*



GRADUATING STUDENTS



Ph.D., Planning, Governance, and Globalization

Apriliani, Putu D., “It Takes a Village to Do Microfinance Right: Effects of Microfinance on Gender Relations in Bali” (Summer 2019).

Gupta, Khushboo, “The Indian Perspective of Smart Cities” (September 2019).

Keyel, Jared Andrew “Jake”, “Silent Refuge? A Critical Democratic Exploration of Voice and Authorship among Resettled Iraqis in the United States” (Summer 2019).

Le, Huyen Thi Khanh, “Emotional Agents: Modeling Travel Satisfaction, Affinity, and Travel Demand Using a Smartphone Travel Survey” (Spring 2019).

Lyon-Hill, Sarah E., “A New Institutional History of Appalachia: Exploring the Agential Dynamics of an Appalachian Community Cultural Development Organization” (Fall 2019).

Mahdu, Omchand, “The Impacts of Climate Change on Rice Production and Small Farmers' Adaptation: A Case of Guyana” (Spring 2019).

Wei, Rongrong, “Local Fiscal Sustainability within American Federalism” (Spring 2019).

Ph.D., Public Administration / Public Affairs

Brandell, James Francis, “An Evaluation of how Federal Advisory Boards Operationalize Congressional Intent of Transparency, Financial Efficiency, and Balanced Membership” (Spring 2019).

Buechel, Kathryn Jean, “Institutional Adaptation and Public Policy Practices of Military Transfer Credit” (Fall 2019).

Daniels, Lorita Ann Copeland, “Illuminating Identities and Motivations in Public Participation: Administrators in Local Government” (Fall 2019).

Hubbard, Faith Gibson, “Beyond the Boundaries: A sharing of power in processes of public education decision-making and planning” (Spring 2019).

Krewson, Rosa Castillo, “U.S. Military Student Veterans Identity Formation: Policy Feedback and Symbolic Interactionism” (Spring 2019).

Lee, Kimberly Taylor, “Organizing Freedom: Collaboration with the Freedmen's Bureau in the Early Years of Reconstruction” (Spring 2019).

Zobell, Anne Catherine, “The Impact of Advocacy Groups in Facilitating Policy Diffusion to Pass Paid Sick Leave Laws in New Jersey” (Fall 2019).



Master's Students

The following students earned their Master's degrees in 2019:

Elliott A. Abbotts
 Alejandro J. Alvarado
 Andrew T. Ausel
 Jenizza Badua
 Corrine K. Bebek
 Christjahn L. Beck
 Olyvia S. Brown-Coles
 Fanglan Chen
 John R. Craig
 Victoria R. Crespo
 Colleen M. Dang
 Daniel B. Deal
 Morgan G. Dean
 Michael J. Donato
 Gregory T. Edmonds
 Lauren C. Failla
 Samantha L. Fenn
 Joseph W. Fraker
 Sandra P. Freeman
 Charles L. Grant
 Dylan B. Grosse
 Joshua R. Hammes
 Lawrence M. Harris

Luke A. Hendrixson
 John B. Hicks
 Zachary A. Jackson
 Krystal C. Kappelman
 Kasron J. Kopecky
 Joshua E. Lanier
 Arnold C. Liyai
 Rosabella A. Lipsey
 Ernest M. Lott
 Parker H. Mabe
 Brandon A. McCord
 Jonathan P. McCoy
 David J. Malewitz
 Emma T. Martin
 Hector R. Mendoza
 James N. Mills
 Fan Mo
 Rebekah G. Molloy
 Lara K. Nagle
 Chelsea E. Neil
 Jenee L. Padmore
 Lavinia Panizo
 Gregory A. Peck
 Erin C. Poff
 Kahherine R. Purnell
 Matthew L. Rhodes
 Ian W. Rose
 Syed Umar Shahid
 Amrit P. Singh

Joshua A. Slaughenhaupt
 Ximena Tagle Hodzic
 Aaron C. Taylor
 Hazel C. Ventura
 Caitlin E. Verdu
 Trang T. Vu
 Holly F. Ward
 Aidan C. Williams

Jarrodd Davis
 Maddy Devenoge
 Jordan Dinopoulos
 Olivia DiMaio
 Libby Ebeling
 Maureen Finnan
 Gracie Gilbert
 Kendra Hale
 Collin Hamilton
 Sofia Jorgenson
 Alexandra Kahl
 Eve Lettau
 Andrew Loranger
 Heather McMahon
 Misganaw Mengiste
 Riley Mitchell
 Ellie Muraca
 Eric Newton
 Justin Redman
 Meghan Rupkey
 Sahara Shrestha
 Noah Solomon
 Sean Starkey
 Matt Tatum
 Jake Tupitza
 Lyndee Weaver
 Sarah Whitlock
 Tess Williams
 Hunter Wolz

Undergraduate Students

The following undergraduate students graduated in Fall 2019:

Abigail Courington
 Lindsey Cassone
 Riley Mitchell
 Anna Nagorniuk
 Connor Sexton

The following undergraduate students graduated in Spring 2019:

Ali Alneyadi
 Emily Burke
 Kelly Casper
 Lindsey Cassone
 Sam Chanesman



Arlington | Blacksburg | Richmond
Virginia

www.spia.vt.edu
spia@vt.edu