



SCHOOL OF PUBLIC AND
INTERNATIONAL AFFAIRS
VIRGINIA TECH.

2021 ANNUAL REPORT



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MESSAGE FROM THE DIRECTOR



Mehrzad Boroujerdi

Director

School of Public & International Affairs

I invite you to
look through
the following
pages to see
how the
contributions
of our SPIA
family enabled
us to stand
triumphant!

My favorite poet, Omar Khayyam (1048–1141), once wrote:

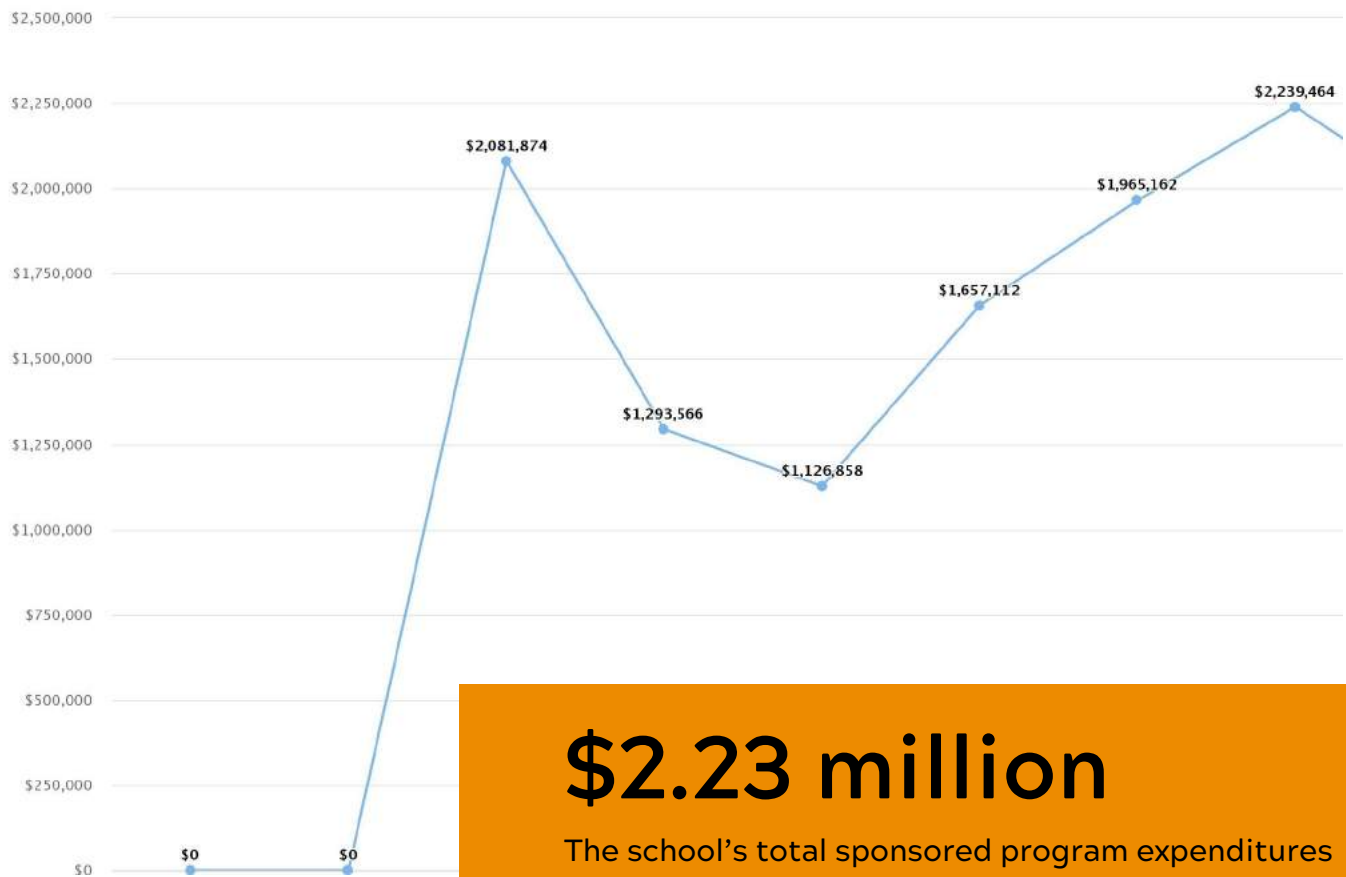
*When things seem difficult and life uphill
Don't look too far ahead
Keep plodding on.
And inch by inch the road will shorten,
Till the roughest patches will be past and gone.
And you'll look back surprised and cheered to find
That you have left so many miles behind.
And very soon the tedious climb will stop,
And you will stand triumphant at the top.*

In 2021, the School of Public and International Affairs (SPIA) continued onward as we wrestled with a pandemic that caused a fulcrum of change around the globe. Thanks to online teaching, telework arrangements, and public health measures, we handled the operational uncertainties and myriad novel challenges COVID-19 threw our way. It certainly was a challenging climb and certain patches were truly rough.

Yet we not only survived, we excelled.

Consider these highlights:

- SPIA maintained its ranking among the top 50 schools of Public Affairs by US News & World Report.
- The school's total sponsored program expenditures reached \$2.23 million dollars, our highest ever.
- Faculty published 59 academic journal articles, a record number.
- SPIA experienced a 31 percent increase in graduate applications.
- We substantially grew our social media followers (e.g., by over 200 percent on LinkedIn).
- A record number of donors made financial contributions to the school.
- Our faculty had a record year in terms of media interviews.
- SPIA's Institute for Policy and Governance celebrated its 15th anniversary, having secured \$27 million in total funding.



\$2.23 million

The school's total sponsored program expenditures reached \$2.23 million dollars, our highest ever.

Top 50 schools

We maintained our ranking among the top 50 schools of Public Affairs by US News & World Report.



Celebrate these important accomplishments with us!

CURRICULUM

- SPIA offered a total of 151 courses (38 undergraduate and 113 graduate) in 2021. This produced a total of 8,263 student credit hours during the 2020–2021 academic year.
- Three new graduate certificates were offered by the school: Science, Technology and Engineering in Policy (STEP) started in Spring 2021; and the Urban Planning Analytics and Transportation Planning and Policy certificates rolled out in Fall 2021.
- The State Council of Higher Education for Virginia (SCHEV) approved SPIA's proposal to offer an online Master of Public Administration (MPA) beginning in Fall 2022.
- SPIA offered two iterations of its intensive week-long National Security Executive Education Program in March and November 2021.
- SPIA faculty approved a new Promotion and Tenure policy for the school.

STUDENTS

- SPIA awarded 108 degrees in 2021 (10 Ph.D., 60 Master's, and 38 Baccalaureate degrees).
- In Fall 2021, we welcomed 58 new graduate and 52 new incoming undergraduate first-year and transfer students.
- SPIA students received a total of 15 awards and four grants/scholarships.
- SPIA students published one book and at least four journal articles.



OPERATIONS

- SPIA formed its first standing Diversity, Equity, and Inclusion Committee in November 2021.
- SPIA produced a 31-page Financial Overview Report that contains the most comprehensive financial data ever assembled for the School.
- SPIA launched an aggressive social media advertising campaign.
- SPIA's Richmond academic campus moved to a brand new and spacious office suite.
- Numerous improvements were made to our Architectural Annex building in the Blacksburg campus.

PARTNERSHIPS

- SPIA continued its collaboration with the Commonwealth of Virginia to develop the next generation of government leaders in the state by hosting a new cohort of Virginia Management Fellows.
- Our faculty worked with middle school students in Roanoke (in partnership with Roanoke City Public Schools) on a summer program.
- Todd Schenk (Associate Professor, UAP) was embedded as a faculty member in the Fralin Life Sciences Institute following an agreement between SPIA and FLSI.



FACULTY

- SPIA faculty won two dozen grants and received 11 awards and honors.
- Faculty published 8 books, 9 book chapters, and 59 journal articles. These included books and book chapters published by MIT Press, Oxford University Press, Palgrave, Routledge, Springer, Telos, University Press of Kansas, and Virginia Tech Publishing; and articles in highly-ranked disciplinary and interdisciplinary journals such as *Administration & Society*, *Foreign Policy Analysis*, *Global Public Health*, *International Journal of Environmental Research and Public Health*, *International Journal of Disaster Risk Reduction*, *Journal of Public Policy*, *Middle East Journal*, *Natural Hazards Review*, *Perspectives on Public Management and Governance*, *Political Geography*, *Sociological Methods and Research*, *Sustainability*, *Transport Reviews*, and *Urban Planning*.
- Faculty served as editor in chief or member of the main editorial boards of 48 different journals and book series.
- Faculty presented their research at over 30 national and international conferences.
- SPIA faculty were quoted in such media outlets as *Asia Times*, *Augusta Free Press*, *Australian Broadcasting Corporation*, *Boston Public Radio*, *CNBC*, *Deutsche Welle* (Germany), *The Economist*, *Forbes*, *Fox TV*, *Haaretz*, *L'Orient-le Jour* (Lebanon), *National Geographic*, *National Public Radio* (NPR), *New York Times*, *Newsweek*, *Richmond Times-Dispatch*, *The Roanoke Times*, *USA Today*, *Veteran News Reports*, *Virginia Business Magazine*, *Virginia Pilot*, *Virginia Public Radio*, *Voice of America*, *War on the Rocks*, *Wall Street Journal*, *Washington Examiner*, and *Washington Post*.
- Associate Professor Ariel Ahram (GIA) was promoted to the rank of Professor, and Assistant professor Todd Schenk received tenure and was promoted to the rank of Associate Professor.
- 2021 marked twenty-five years of service for Prof. Diane Zahm (UAP), fifteen years of service for Prof. Tom Sanchez (UAP), and ten years of service for Prof. Maggie Cowell (UAP).

24

grants won

48

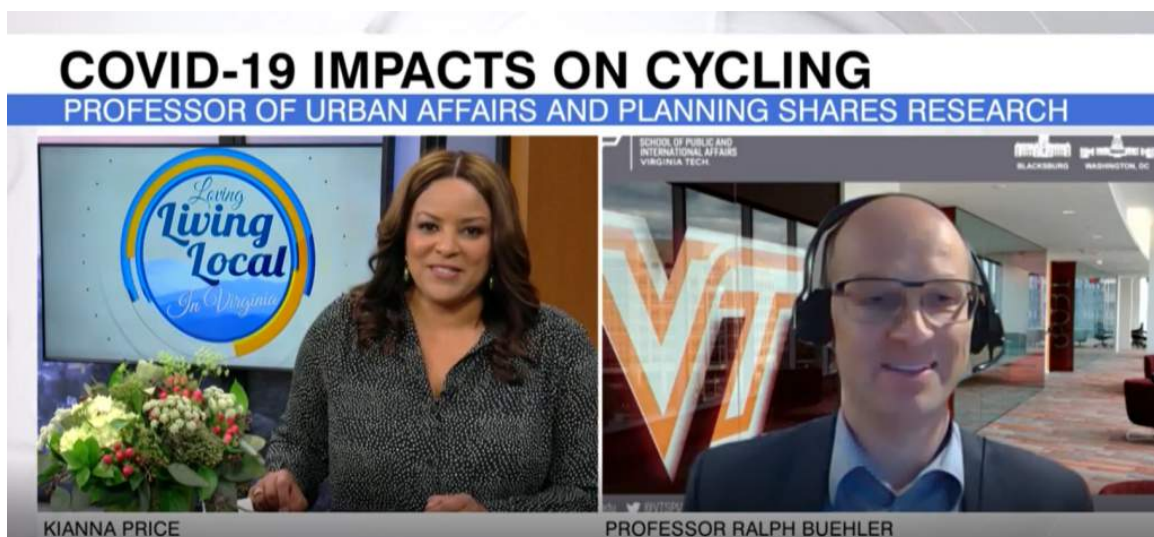
editorial board
participation

30+

conference
presentations

75+

publication





In 2021, the school experienced the following faculty and staff changes:

- Professor Robin Lemaire (CPAP) left the university, and Dr. Jeffrey Glick, a Professor of Practice at SPIA since 2015, discontinued his active teaching.
- Staff members Leslie Day and Connor Winstead left the school. We hired Christina S. King (Business Manager based in Blacksburg campus), Camden South (Office & Student Experience Manager in Richmond Campus), and Jennifer Quam-Howell (Special Projects Coordinator based in Richmond Campus).
- Professor Yang Zhang was appointed Associate Dean for Research of the College of Architecture and Urban Studies.
- John Provo (Adjunct Professor, UAP) was appointed director of Virginia Tech's new Center for Economic and Community Engagement.
- Dr. Dennis K. McBride joined SPIA as an Affiliate Professor of Practice, Center for Public Administration and Policy.
- Professor Daniel "Dan" Sui (VT Vice President for Research and Innovation) became a SPIA affiliated faculty.

At the close of 2021, the School of Public and International Affairs had some 142 undergraduate and 250 graduate students taught and supported by over 40 faculty and staff. The distribution of full-time SPIA faculty in Arlington, Blacksburg, and Richmond was respectively 52%, 41%, and 7%.

SPIA remains a vibrant school where innovative instruction and cutting-edge research takes place on a daily basis and has local, regional, state, federal, and international impact. Our newly adopted school tagline captures this spirit: "Empowering Future Leaders to Shape the World's Communities through Public Service."

REGULAR FACULTY



Ariel Ahram
Professor, GIA



David Bieri
Associate Professor, UAP



Ariel Ahram
Director, SPIA
Professor, GIA



David Bredenkamp
Assistant Professor, CPAP



Ralph Buehler
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
Assistant Professor, CPAP



Ralph Hall
Associate Director, SPIA
Undergraduate Programs
Director
Associate Professor, UAP



Steve Hankey
Associate Professor, UAP



Karen Hult
Professor, CPAP



Laura Jensen
Associate Professor, CPAP



Leisha LaRiviere
Associate Director, Richmond
Adjunct Professor, CPAP



Chad Levinson
Assistant Professor, GIA



Theodore Lim
Assistant Professor, UAP



Tim 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
Associate Professor, UAP



Stephanie Smith
Associate Professor, CPAP



Max Stephenson
Professor, UAP
Director, Institute for
Policy & Governance (IPG)



Gerard Toal
Professor, GIA



Kris Wernstedt
Professor, UAP



Diane Zahm
Associate Professor, UAP



Yang Zhang
Associate Professor, UAP



Raymond Zuniga
Assistant Professor, CPAP

PROFESSOR OF PRACTICE



Sheryl Bailey
Visiting Professor of Practice



Joyce Barr
Professor of Practice, GIA



Mary Beth Dunkenberger
Associate Director, Institute
for Policy & Governance (IPG)



Jeffrey Glick
Professor of Practice, SPIA



Shelley Mastran
Professor of Practice, UAP



Dennis McBride
Professor of Practice, SPIA



James Moran
Professor of Practice, SPIA



Randall Murch
Professor of Practice, SPIA

EMERITUS FACULTY



James Bohland
Professor Emeritus



Brian Cook
Professor Emeritus



Larkin Dudley
Professor Emeritus



Wilma Dunaway
Professor Emerita



John Randolph
Professor Emeritus



Joyce Rothschild
Professor Emerita

HONORS & AWARDS

FACULTY AND STAFF AWARDS

David Bieri

- Virginia Tech Alumni Award for Outreach Excellence.

Ralph Buehler

- College of Architecture and Urban Studies Career Achievement Award.

Stephanie Davis

- International City/County Management Association Local Government Research Fellow.
- Appointed Chair of the Virginia Commission on Local Government.

Mary Beth Dunkenberger

- College of Architecture and Urban Studies Award for Outreach Excellence through Virginia Tech's Office of Outreach and International Affairs.

Ralph Hall

- Leadership and Social Change Residential College (LSCRC) Inclusive Leadership Award.

Theo Lim

- College of Architecture and Urban Studies Certificate for Excellence in Teaching.
- Article chosen as Editor's Choice in the Journal Socio-ecological Practice Research.

Tim Luke

- STAIR 2021 Distinguished Scholar Award, 'Transversal Acts,' Science, Technology and Arts in International Relations. (STAIR) Section, International Studies Association.

Cecily Rodriguez

- College of Architecture and Urban Studies Diversity Recognition Award.

Tom Sanchez

- Appointed chair of the education committee of the American Planning Association.



HONORS & AWARDS

STUDENT AWARDS

Richard Donovan (MURP Graduate, 2021)

- American Planning Association Virginia Chapter Award for Outstanding Graduate Student with Professional Promise.

Lydia Gilmer (MURP Graduate, 2021)

- American Planning Association Virginia Chapter Award for Outstanding Graduate Student with Professional Promise.
- College of Architecture and Urban Studies Outstanding Graduate Student Award.

Trey Gordner (MURP Candidate)

- Finalist, Inaugural Cohort of the U.S. Digital Corps.

Xavier Harmony (Ph.D. Candidate, PGG)

- Graduate Student Best Paper Award, Transportation Research Forum.
- WDCSITE Scholarship Award, Washington DC Section Institute of Transportation Engineers.
- Martin Wachs Student Essay Winner and Eno Centennial Scholar, Eno Center for Transportation.

Priya Madrecki (MURP Graduate, 2021)

- American Institute of Certified Planners Certificate Award for Outstanding Graduate Student in Urban and Regional Planning.

Lauren K. McKeague (Ph.D. Candidate, Public Administration and Public Affairs)

- Founders Award, Center for Public Administration and Policy.

Nareg Seferian (Ph.D. Candidate, PGG)

- Armenian Studies Scholarship provided by the Armenian Communities Department of the Calouste Gulbenkian Foundation based in Lisbon, Portugal.

Emily Warwick (Double Major in International Relations & Public and Urban Affairs)

- Outstanding Senior for the College of Liberal Arts and Human Sciences.

Regan Westwood (Double Major in Environmental Policy & Planning and Smart & Sustainable Cities)

- Atlantic Coast Conference Female Scholar-Athlete of the Year.
- SPIA Outstanding Senior Award.
- Phi Kappa Phi Medallion Award (for being the top graduating senior in the College of Architecture and Urban Studies).

FUNDED RESEARCH

Ralph Buehler and Steve Hankey

- NCA Trail Monitoring and Analysis Program, National Park Service/UNC Chapel Hill, Amount: \$143,991 (12/01/2021 – 12/01/2022).

Stephanie Davis

- Pathways Assessment Mini-Grant. Amount: \$100; Junior Faculty Mentoring Grant. Amount: \$1,500.

Matthew Dull

- College of Architecture and Urban Studies Instructional Innovation Grant (focusing on equity, inclusion, and diversity). Amount: \$500.

Mary Beth Dunkenberger

- Postpartum Women (PPW) Recovery Housing Technical Assistance (in partnership with Virginia Housing Research Center). Sponsor: Piedmont Community Services. Amount: \$27,151. Co-PI: Lara Nagle.
- AbilityOne at Melwood Economic Impact Study (in partnership with CECE). Sponsor: Melwood. Amount: \$35,000. Co-PIs: David Moore and Lara Nagle.
- Building Youth Resilience to Cybergrooming: Transdisciplinary Prevention Approach Integrated Security Focus Topics: Cyber security and governance; ISDA-ISERC. Amount: \$2,000. Co-PI: Lara Nagle.
- Mount Rogers Community Services (MRCS) Community Health Center Evaluation. Sponsor: U.S. Health and Human Services, Substance Abuse Mental Health Services Administration (MRCS Primary grantee). Amount: \$311,386. Co-PIs: Lara Nagle and Laura York.
- Roanoke Valley Connection to Care Technical Assistance and Research Project. Sponsor: The University of Baltimore's Center for Drug Policy and Prevention (CDPP). Amount: \$223,601. Co-PIs: Lara Nagle and Laura York.

Theo Lim

- 2021–2022: “Engaging vulnerable populations in extreme heat resilience planning through citizen science and co-production of knowledge,” Virginia Tech Institute for Society, Culture, and Environment (ISCE) Scholars Seed Grant. Amount: \$29,965.

Shalini Misra

- College of Architecture and Urban Studies Instructional Innovation Grant (focusing on equity, inclusion, and diversity). Amount: \$500.
- Grant from the Virginia Tech Provost's Office to host and chair the 2021 International Science of Team Science Conference in Arlington, VA. Amount: \$45,000.

Shalini Misra and Kris Wernstedt

- EAGER: SAI: SmarTrail: An Infrastructure Services Framework for Sustainable Trail Management, National Science Foundation. EAGER Strengthening American Infrastructure Grant. Amount: \$299,350. Co-investigators: Jeffrey L. Marion and Donald S. McCrickard.

David Moore

- Roanoke City ALICE Survey Research; Sponsor: Roanoke City. Amount: \$14,945. Co-PIs: Mary Beth Dunkenberger and Lara Nagle.
- RESTORE Administration Extension; Total Action for Progress. Amount: \$68,435
- Virginia Eviction Reduction Pilot Needs Assessment (in partnership with VCHR); Total Action for Progress. Amount: \$45,000. Co-PI: Lara Nagle and Mel Jones.

Lara Nagle

- Critz Community Enhancement Project (in partnership with Reynolds Homestead); Appalachian Regional Commission. Amount: \$2,785. Co-PI: Max Stephenson.

Melony Price-Rhodes

- Fairfax County VA Department of Family Services Child Protective Services and Foster Care and Adoptions Programs; Fairfax/Falls Church Children's Services Act. Amount: \$606,877.

Thomas Sanchez & Theo Lim

- SCC-PG: The Prospects for Artificial Intelligence in Urban Planning, National Science Foundation. Amount: \$148,781 (10/01/2021 – 09/30/2022). Co-investigators: Christopher L North and Alexander C. Smith.
- The Prospects for Artificial Intelligence in Urban Planning, Institute for Society, Culture and Environment (ISCE): Scholars Program, Virginia Tech. Amount: \$30,000.

Todd Schenk

- CNH2-S: Scrambled responsibilities - species conservation and collaborative governance in an era of global change, University of Tennessee, National Science Foundation. Amount: \$169,666 (04/01/2021 – 07/31/2024).
- NRT-HDR: Convergence at the Interfaces of Policy, Data Science, Environmental Science and Engineering to Combat the Spread of Antibiotic Resistance (CIP-CAR), National Science Foundation. Amount: \$3,000,000 (09/01/2021 – 08/31/2026). Co-investigators: Amy J Pruden-Bagchi, Tiffany A Drape, Leigh Anne H Krometis, Liqing Zhang, Edwards Marc A Edwards, Lenwood S Heath, Others.

Max Stephenson

- Maré from the Inside: Art, Culture and Politics in Rio de Janeiro, Brazil, Virginia Tech College of Liberal Arts and Human Sciences. Amount: \$9,000 (01/01/2021 – 01/01/2022). Co-investigators: N. Barnes N. and D. Poets.

Yang Zhang

- Developing a Resilience Quotient System for Flood Mitigation and Managed Retreat in Coastal Virginia, Virginia Institute of Marine Science. Amount: \$80,000 (09/01/2021 – 08/31/2022).

STUDENT GRANTS AND SCHOLARSHIPS**Margaret Appleby (Ph.D. Candidate, PGG)**

- College of Architecture and Urban Studies student initiated research grant (SIRG).

Kristen Sarik (Bachelor's Degree Candidate in Smart and Sustainable Cities)

- U.S. Embassy–Rwanda for Using Story-Making to Teach Entrepreneurship and Leadership. Amount: \$10,000.

Jack Trainor (MURP Graduate, 2021)

- American Planning Association (APA) Economic Development Division Holzheimer Scholarship.

Qiong Wang (Ph.D. Candidate, PGG)

- Virginia Sea Grant Fellowship Awardee – 2021–2023 VASG Graduate Research Fellowship. Amount: \$80,000.

PUBLICATIONS

BOOKS & MONOGRAPHS

Mehrzad Boroujerdi

Siyasetname: İslami Bir Devlet idaresi Teorisi [Turkish translation of Mirror for the Muslim Prince: Islam and Theory of Statecraft] (Istanbul: al-Baraka, 2021).

Ralph Buehler

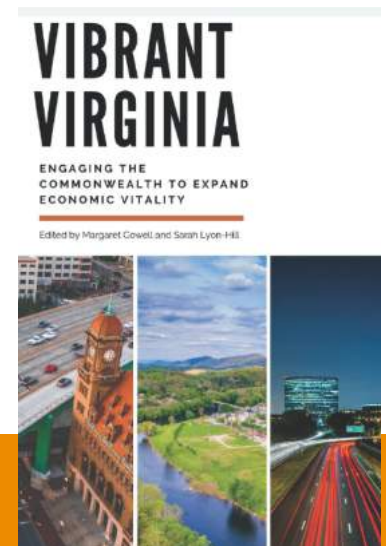
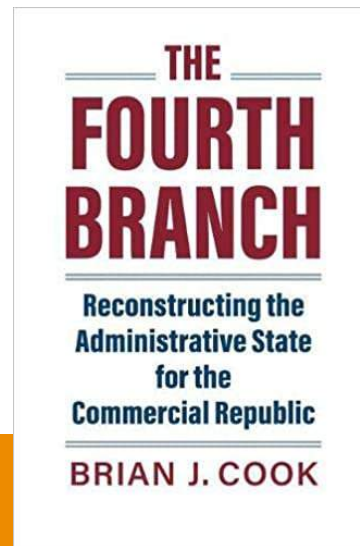
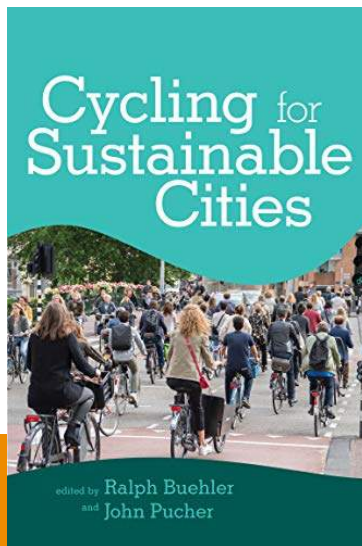
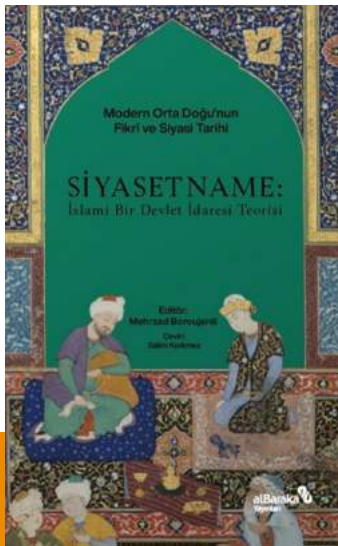
Cycling for Sustainable Cities, co-authored with John Pucher (Cambridge: The MIT Press, 2021).

Brian Cook

The Fourth Branch: Reconstructing the Administrative State for the Commercial Republic (Kansas: University Press of Kansas, 2021).

Maggie Cowell

Vibrant Virginia: Engaging the Commonwealth to Expand Economic Vitality, co-edited with Sarah Lyon-Hill (Blacksburg: Virginia Tech Publishing, 2021).



Tim Luke

The Travails of Trumpification (Candor, NY: Telos Press Publishing, 2021).

Thomas Sanchez

Knowledge Networks, co-authored with Denise Bedford (UK: Emerald Publishing, 2021).

Max Stephenson

Maré from the Inside: Art, Culture and Politics in Rio de Janeiro, Brazil, co-authored with Nicholas Barnes and Desirée Poets (Blacksburg: Virginia Tech Publishing, 2021).

Conversations in Community Change: Voices from the Field, co-edited with Cathy Grimes (Blacksburg: Virginia Tech Publishing, 2021).

BOOK CHAPTERS**Ariel Ahram**

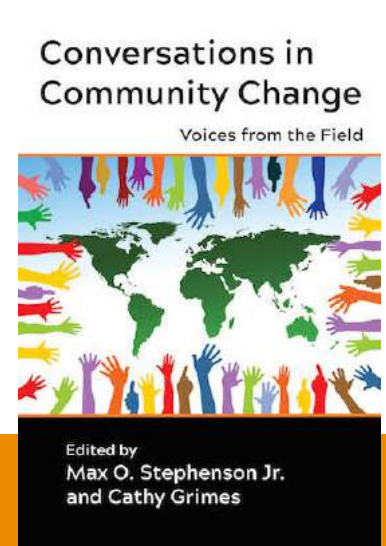
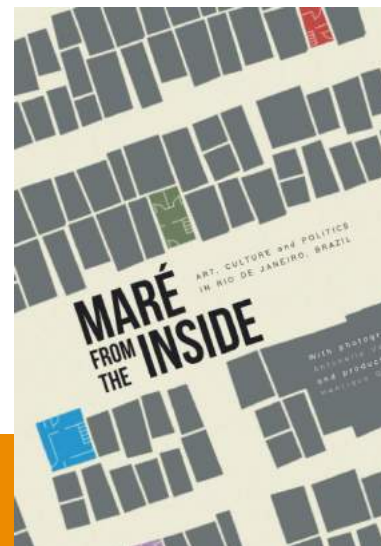
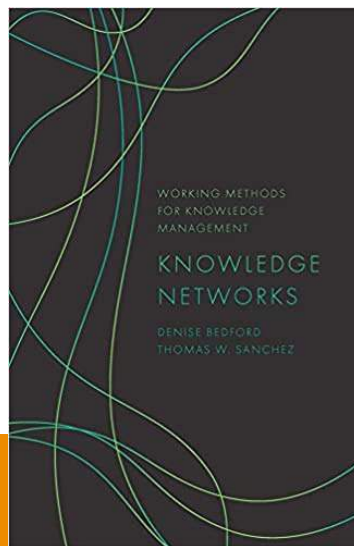
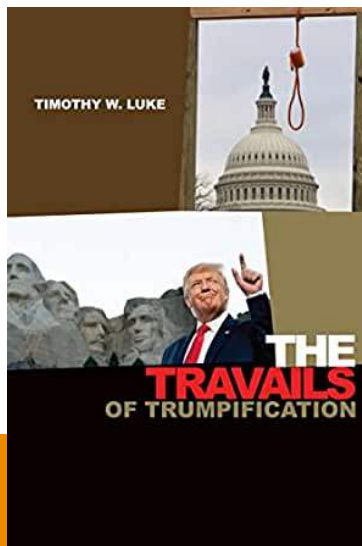
Ahram A.I. "Human Ecology of the Marshes." In Jawad L.A. (Ed.), Southern Iraq's Marshes. Coastal Research Library (vol. 36). Springer, Cham, 2021, pp. 55-76.

David Bieri

Bieri, D. S. "Central Banks and the Governance of Monetary Space." In J. Knox-Hayes, & D. Wójcik (Eds.), The Routledge Handbook of Financial Geography. New York: Routledge, 2021, pp. 483-509.

Giselle Datz

Datz, Giselle. "Placing Sovereign Debt: The Fragmented Landscape of Legal Precedent and Legislative Pre-emption." In Juan Flores and Pierre Pinot (Eds.), Sovereign Debt Diplomacies: Rethinking Sovereign Debt from Colonial Empires to Hegemony. New York: Oxford University Press, 2021, pp. 259-281.



BOOK CHAPTERS (CONT'D)

Stephanie Davis

Davis, S., McNiff, V., Tombarge, A., & Long, B. (2021). "Handbook for Virginia Mayors and Council Members: Budgeting." In Handbook for Virginia Mayors and Council Members. Richmond, VA: Virginia Municipal League, 2021, pp. 57-70.

Davis, S., McNiff, V., Tombarge, A., & Long, B. "Handbook for Virginia Mayors and Council Members: Revenues." In Handbook for Virginia Mayors and Council Members. Richmond, VA: Virginia Municipal League, 2021, pp. 71-82.

Ralph Hall

Hall, R., & Ranganathan, S. "Completing the Cycle: An Inclusive Capitalism approach linking sustainable consumption and production." In R. B. Swain, & S. Sweet (Eds.), Sustainable Consumption and Production, Volume I. Palgrave Macmillan, 2021, pp. 65-84.

Tim Luke

Timothy W. Luke, "Environment and Risk." In Gerard Delanty and Stephen P. Turner (Eds.), The Routledge International Handbook of Contemporary Social and Political Theory, second edition. New York: Routledge, 2021, pp. 260-268.

Shalini Misra and Patrick Roberts

Roberts, P., Misra, S., & Tang, J. "Crisis Governance, Emergency Management, and the Digital Revolution." In Oxford Handbook of Crisis Management (Oxford Research Encyclopedia on Politics, 2021).

Todd Schenk

Seth, A., Meyers, R., Miller, P., Schenk, T., Klopfer, S., Ford, W. M., . . . Hirsh, R. F. "An interdisciplinary research program for the sustainable siting of renewable energy facilities." In Coordinating research on the social impacts of energy development: Synthesis across the social sciences (2021).

REFEREED JOURNAL ARTICLES

Ariel Ahram

- Ahram, A. (2021). "Militias, States, and the Long Shadows of Violence," Journal of Perpetrator Research, 4(1).
- Ahram, A.; Jalal, P. (2021). "Salafism, Sectarianism, and National Identity in Iraqi Kurdistan," Middle East Journal, 75(3): 386-401.

David Bredenkamp

- Baggetta, M; Bredenkamp, D. (2021). "Systematic Social Observation in the Study of Civil Society Organizations," Sociological Methods and Research 50(4): 1694-1724.

Ralph Buehler

- Berrigan, D; Dannenberg, A; Lee, M; Rodgers, K; Wojcik, J; Wali, B., Buehler, R. . . Rodriguez, D. (2021). "The 2019 Conference on Health and Active Transportation: Research Needs and Opportunities," International Journal of Environmental Research and Public Health, 18(22).
- Buehler, R., Pucher, J. 2021. "The Growing Gap in Pedestrian and Cyclist Fatality Rates between the United States and the United Kingdom, Germany, Denmark, and the Netherlands, 1990–2018," Transport Reviews, 41(1).
- Schroeter, B; Hantschel, S; Koszowski, C; Buehler, R; Schepers, P., Weber, J; . . . Gerike, R. (2021). "Guidance and Practice in Planning Cycling Facilities in Europe-An Overview," Sustainability, 13(17).
- Gerike, R; Koszowski, C; Schroeter, B; Buehler, R; Schepers, P; Weber, J; . . . Jones, P. (2021). "Built Environment Determinants of Pedestrian Activities and Their Consideration in Urban Street Design," Sustainability, 13(16).
- Merlin, L; Teoman, D; Viola, M; Vaughn, H; Buehler, R. (2021). "Redrawing the Planners' Circle Analyzing Trip-Level Walk Distances Across Two National Surveys," Journal of The American Planning Association, 87(4): 470-483.
- Zhang, W; Buehler, R; Broaddus, A; Sweeney, T. (2021). "What type of infrastructures do e-scooter riders prefer? A route choice model," Transportation Research Part D-Transport and Environment, 94.
- Goel, R; Goodman, A; Aldred, R; Nakamura, R; Tatah, L; Garcia, L; Buehler, R; . . . Woodcock, J. (2021). "Cycling behaviour in 17 countries across 6 continents: levels of cycling, who cycles, for what purpose, and how far?" Transport Reviews, 42(1): 58-81.
- Buehler, R; Teoman, D; Shelton, B. (2021). "Promoting Bicycling in Car-Oriented Cities: Lessons from Washington, DC and Frankfurt Am Main, Germany," Urban Science, 5(3): 58.

REFEREED JOURNAL ARTICLES (CONT'D)

- Buehler, R; Broaddus, A; Sweeney, T; Zhang, W; White, E; Mollenhauer, M. (2021). "Changes in Travel Behavior, Attitudes, and Preferences among E-Scooter Riders and Nonriders: First Look at Results from Pre and Post E-Scooter System Launch Surveys at Virginia Tech," *Transportation Research Record*, 2675(9): 335-345.

Maggie Cowell

- Cowell, M. (2021). "Review of Cities and regions in crisis: The political economy of sub-national economic development," *Raumforschung und Raumordnung| Spatial Research and Planning*, 79(5): 538-539.

Giselle Datz

- Datz, G. (2021). "Ties that Bind and Blur: Financialization and the Evolution of Sovereign Debt as Private Contract," *Review of Evolutionary Political Economy* 2: 571-587.

Stephanie Davis

- Davis, S; Carter, S. (2021). "Strategic Planning: A Valuable (and timely) Tool for Small Communities," *Virginia Town and City*, pp. 24-25.

Matthew Dull and Patrick Roberts

- Resh, W; Hollibaugh, G; Roberts, P; Dull, M. (2021). "Appointee vacancies in US executive branch agencies," *Journal of Public Policy*, 41(4): 653-676.

Mary Beth Dunkenberger

- Dunkenberger, M.B.; Wenzel, S.; Nelson, L. (2021). "Arts, Culture and Community Building in Rural Virginia." In Margaret Cowell and Sarah Lyon Hill, eds. *Vibrant Virginia: Engaging the Commonwealth to Expand Economic Vitality*. Blacksburg, VA: Virginia Tech Publishing.

Ralph Hall

- An, Y; Hall, R.P.; Yoon, T. (2021). "The Complex Relationship between Capacity and Infrastructure Project Delivery: The Case of the Indian National Urban Renewal Mission," *Sustainability*, 13(16).
- Velez, A-L.; Hall, R.P.; and Lewis, S.N. (2021). "Designing transdisciplinarity: Exploring institutional drivers and barriers to collaborative transdisciplinary teaching," *Journal of Public Affairs Education*: 1-18.

Steve Hankey

- Xu, C; Hystad, P; Chen, R; Van Den Hoek, J; Hutchinson, R; Hankey, S; Kennedy, R. (2021). "Application of training data affects success in broad-scale local climate zone mapping," *International Journal of Applied Earth Observation and Geoinformation*, 103.

- Saha, P; Hankey, S; Marshall, J; Robinson, A; Presto, A. (2021). "High-Spatial-Resolution Estimates of Ultrafine Particle Concentrations across the Continental United States," *Environmental Science and Technology* 55(15).
- Lu, T; Marshall, J; Zhang, W; Hystad, P; Kim, S; Bechle, M; . . . Hankey, S. (2021). "National Empirical Models of Air Pollution Using Microscale Measures of the Urban Environment," *Environmental Science and Technology* 55(22).
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Steve Hankey and Todd Schenk

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Laura Jensen

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Chad Levinson

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Theodore Lim

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Tim Luke

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STUDENT PUBLICATIONS

Raj K. GC (Ph.D., PGG, 2020)

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- Zuleka Woods (Ph.D. Candidate, PGG)
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**Kudos to all of
our student
and faculty
scholars!**

JOURNAL EDITORSHIP

- Administration & Society (Brian Cook, Karen Hult, and Laura Jensen)
- American Review of Public Administration (Patrick Roberts)
- Athens Journal of Social Sciences (Max Stephenson)
- Capitalism Nature Socialism (Tim Luke as editorial consultant)
- Communist and Post-Communist Studies (Gerard Toal)
- Congress & the Presidency (Karen Hult)
- Critical Policy Studies (Tim Luke)
- Current Perspectives in Social Theory (Tim Luke as Associate Editor)
- eLearning and Digital Media (Tim Luke)
- Environmental Health Perspectives (Steve Hankey as member of editorial review board)
- Eurasian Geography and Economics (Gerard Toal)
- Europe and the World Book Series, Lexington Books (Joel Peters, Co-editor)
- Fast Capitalism (Tim Luke, Co-editor)
- Housing Policy Debate (David Bieri; Tom Sanchez as Editor-in-chief [2010-2021])
- International Journal of Sustainable Transport (Ralph Buehler)
- Iran: Journal of the British Institute of Persian Studies (Mehrzad Boroujerdi)
- Iranian Studies (Mehrzad Boroujerdi)
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- Urban Affairs Review (Maggie Cowell)
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- Urban Planning (Tom Sanchez)
- Urban Science (Tom Sanchez)
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Association of Collegiate Schools of Planning;
Transportation Research Board Annual Meeting

Maggie Cowell

Association of Collegiate Schools of Planning; International
Science of Team Science (SciTS) Conference

Stephanie Davis

Association of Budgeting and Financial Management;
American Political Science Association

Mary Beth Dunkenberger, Laura Nagle & David Moore

Engagement Scholarship Consortium (ESC) 2021 Conference

Adrienne Edisis

Labor and Employment Relations Association

Ralph Hall

International Association of Social Sciences Information
Service and Technology; Conference on Higher Education
Pedagogy

Steve Hankey

International Society of Environmental Epidemiology;
American Association of Geographers

Chad Levinson

International Studies Association Annual Meeting

Theo Lim

American Geophysical Union; American Association of
Geographers; Association of Collegiate Schools of Planning

Eric Malczewski

Social Science History Association Annual Conference

Shalini Misra

Korean Association of Policy Studies Conference;
International Science of Team Science (SciTS) Conference;
International Systems Dynamics Conference, Perspectives
on Public Management and Governance

Patrick Roberts

Perspectives on Public Management and Governance;
Korean Association of Policy Studies Conference

Thomas Sanchez

Association for Collegiate Schools of Planning Annual
Conference; International Journal of Urban Sciences
Symposium; Council of Educators in Landscape Architecture
(CELA) Annual Conference

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Schools of Planning Annual Conference; International
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Stephanie Smith

International Studies Association Annual Meeting;
Association for Research on Nonprofit Organizations and
Voluntary Action Annual Conference

Max Stephenson

Midwest Political Science Association; International Society
for Third Sector Research

Gerard Toal

Association for the Study of Nationalities; Association of
American Geographers

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PH.D., PLANNING, GOVERNANCE, AND GLOBALIZATION

Boggs-Parker, Carmen Elana

"Meeting the Self and the Other: Intercultural Learning During a Faculty-Led Short-term Service-Learning Course to Belize" (Spring 2021)

Gebresselassie, Mahtot Teka

"Wheelchair Accessibility in Transportation Service Hailed Through the Uber and Lyft Apps" (Summer 2021)

Jasper, Marc William

"Prisoner Release as Conflict Management" (Spring 2021)

Wang, Kaidi

"Policy implications for the era of automated vehicles from three perspectives: urban form, mode choice, and equitable transportation environment" (Summer 2021)

Woodard, Davon Teremus Trevino

"Frames of Digital Blackness in the Racialized Palimpsest City: Chicago, Illinois and Johannesburg, South Africa" (Summer 2021)

Young, Arica Nicole

"Social Capital in Cohousing: Understanding How One Community Builds Ties" (Fall 2021)

PH.D., PUBLIC ADMINISTRATION / PUBLIC AFFAIRS

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Hollandsworth, Edgar Marion

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Moore, John David

"Making Sense of Networks: Exploring How Network Participants Understand and Use Information from Social Network Analysis" (Spring 2021)

Nguyen, Thi Hong Nhung

"Impact of Human Resource Management on Federal Employees' Positive Attitudes and Behaviors" (Spring 2021)



MASTER'S STUDENTS

The following students earned their Master's degrees in Spring 2021:

Abell, Aldyn Frances
 Adams, Anthony Antonio
 Albrecht, Owen Alexander
 Anderson, John Hunter
 Brown, Melody Ambria
 Buscaglia, Caroline Olivia
 Byrne, Cayley Erin
 English, David Joseph
 Gilmer, Lydia Rachel
 Goldring, Ariel Louis
 Haan, Nicholas Daniel
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 Hanton, Kathrine Thomas
 Harding, Brandon Allen
 Hasham, Muhammad Zaheer Uddin
 Huaman, David Sean
 Johnson, Allison Noelle
 Lawson, Thomas Blake
 Marshall, Erika Mahvash
 Moore, Donald Devon

Nagorniuk, Anna Alexandra
 Nejad, Jahangir K.
 Overholt, Meleah Brooke
 Parks, Austin Lee
 Rauof Hassanzadeh, Behnaz
 Redd, Ceara Marie
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Bibbins, Jonathan - CUM
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 Cripps, Selah - CUM
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 Cummings, Emily - CUM
 Dalton, Emily - MAGNA
 Dennis, Kennedy
 Dillon, Maxwell - SUMMA
 Dilozenzo, Nicholas - CUM
 Fernando, Bienvenido - MAGNA
 Flanary, Trevor - MAGNA
 Fulton, Frances - CUM
 Garrity, Sierra - MAGNA
 Geiger, Hope
 Grayson, Catherine - MAGNA
 Greene, Gershwin
 Guilford, Taylor - SUMMA

Hallam, Sara - SUMMA
 Hartman, Maggie - MAGNA
 Huang, Lechuan - CUM
 Lord, Margaret Stewart
 Moss, Jenna - SUMMA
 Petree, Carolyn - MAGNA
 Pfost, Evan - MAGNA
 Potter, Emma - CUM
 Rouse, Madeleine - MAGNA
 Skelley, Caroline - CUM
 Smith, Caroline
 Waldron, Trinity
 Westwood, Regan - SUMMA
 Williams, Amariah

Howard, Renee - CUM
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