



SCHOOL OF PUBLIC & INTERNATIONAL AFFAIRS

2017
REPORT OF
FACULTY
RESEARCH &
SCHOLARSHIP



SCHOOL OF PUBLIC & INTERNATIONAL AFFAIRS

2017 REPORT OF FACULTY RESEARCH & SCHOLARSHIP

p 5 faculty

tenured & tenure-track

p 12 honors & awards

*for research, scholarship,
instruction, & outreach*

p 13 publications

*books or monographs authored,
books edited, book chapters,
articles, other publications*

p 25 presentations

*papers presented at professional
meetings & invited presentations*

p 33 funded research and projects

inside...



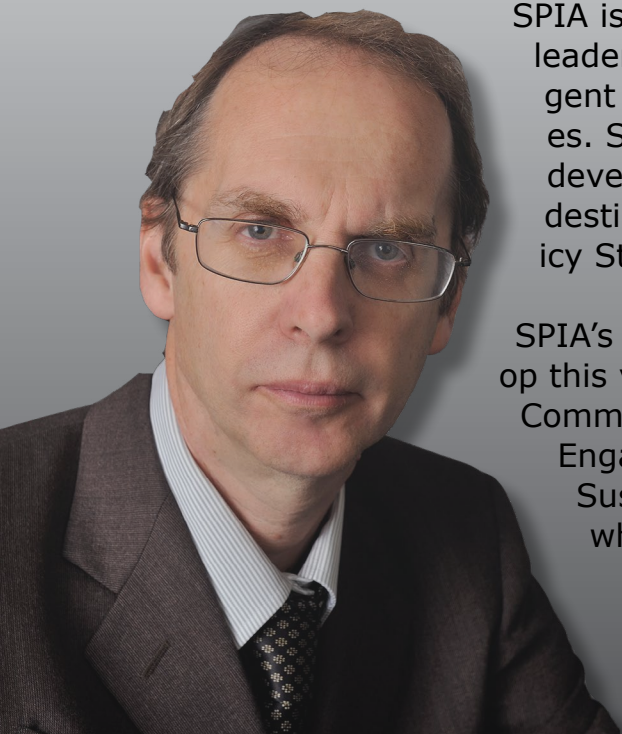
The School of Public and International Affairs (VT SPIA) plays an integral role in Virginia Tech's mission as a land grant university that makes a critical impact at the local, national and international level. VT SPIA is strategically located in the Blacksburg main campus, the National Capital Region in Old Town Alexandria, and in the State Capital of Richmond.

The School of Public and International Affairs (VT SPIA) consists of three programs: Urban Affairs and Planning (UAP), the Center for Public Administration and Planning (CPAP), Government and International Affairs (GIA) and the Institute for Policy and Governance (IPG). SPIA prepares students for public service and policy leadership, and translates scholarship to practice by addressing pressing public problems. SPIA engages with communities and organizations across Virginia and the world to work on questions of planning, policy, administration and governance, performance, security, sustainability, collaboration, resilience, economic development, and more. It offers a set of interdisciplinary and flexible programs at the undergraduate, post-graduate and doctoral level, as well as online programs, graduate certificates, study abroad and experiential learning opportunities and a series of professional education programs.

SPIA is a major player in Virginia Tech's drive to be a global leader in the destination areas of Integrated Security, Intelligent infrastructure, and Data Analytics and Decision Sciences. SPIA professors and students will be at the forefront of developing research and policies in these high priority global destination areas, and SPIA is a leader in developing the Policy Strategic Growth Area.

SPIA's new undergraduate programming continued to develop this year, including the approval of a new Pathways Minor in Community Systems and Engagement in partnership with VT Engage, with the development of two new majors in Smart Sustainable Cities and Environmental Planning and Policy which will be Introduced in 2018. In partnership with the

- Joel Peters
Interim Director



Virginia Local Government Management Association (VLGMA), the graduate certificate program in local government management has continued to flourish. It provides the next generation of local government managers and leaders with the tools to advance their careers and provide exceptional leadership within the communities.

In Richmond, Governor Terry McAuliffe announced the launching of the Virginia Management Fellows (VMF) program. This program is an initiative of the Commonwealth of Virginia developed with School of Public and International Affairs to meet the state's needs for future leaders. Fellows will be engaged in a two-year leadership and management development certificate program with a cutting-edge approach to state leadership learning.

Our two Washington Semester programs: The Washington Semester in Global Engagement and the Washington Semester in Policy and Governance reflects SPIA ongoing commitment to experiential learning, by bringing students from Blacksburg to Washington D.C. and bridging the gap between theory and practice through offering them an insight into the policy making world.

SPIA's faculty have been highly engaged in both teaching and scholarship. This commitment to excellence in both of these field is reflected in the award this year of the College of Ar-

chitecture and Urban Studies (CAUS) Certificate of Excellence in Scholarship to Max Stephenson and the College of Architecture and Urban Studies (CAUS) Certificate of Excellence in Teaching to Robin Lemaire. During the past year, SPIA faculty have published 5 books, 4 edited books, 20 book chapters and 56 journal articles. SPIA faculty have secured funding to support their research from funding bodies such as: National Science Foundation (NSF), National Institute for Health (NIH), Department of Transport and the Environmental Protection Agency. And they have presented the findings of their research at universities and conferences across the United States and Europe, and in Brazil, Israel, Egypt, China and Japan.

Some of the highlights of that research and teaching are summarized in this report.

Blacksburg

Otey Steet



Blacksburg

Draper Road



SPIA FACULTY

Prince Street

Alexandria

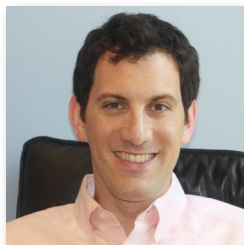


Richmond

N. Parham Road



Faculty



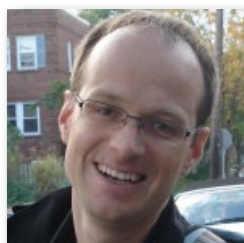
**Ariel
Ahram**

Assistant Professor, GIA | Alexandria.
Ph.D. Georgetown University (2008), government. Non-traditional components of security, human security, state formation/failure, militias and paramilitary groups, comparative political development, Middle East politics. Joined SPIA in 2012.



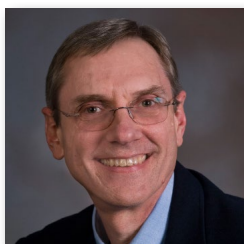
**David
Bieri**

Associate Professor, UAP | Blacksburg.
Ph.D. Virginia Tech (2010), planning, governance, and globalization. The intersection of public finance, monetary theory and economic geography; regulatory aspects of international finance, global monetary governance, and their role in the process of financialization; history of economic thought. 2015.



**Ralph
Buehler**

Associate Professor, UAP | Alexandria.
Ph.D. Rutgers University (2008), planning and public policy. Transportation, land use, energy, regional government. 2008.



**Brian
Cook**

Professor, CPAP | Alexandria.
Ph.D. University of Maryland (1984), government and politics. Public administration, public policy, american politics. 2008.



**Margaret
Cowell**

Associate Professor, UAP | Alexandria.
Ph.D. Cornell (2010), city and regional planning. Building resilient regions; economic complementarity in polycentric regions; effects of economic restructuring on shrinking regions. 2010.



**Giselle
Datz**

Associate Professor and Chair, GIA | Alexandria.
Ph.D. Rutgers University (2007), global affairs. Relationship between developing countries' governments and financial markets, sovereign debt restructuring episodes. 2007.

Faculty

Assistant Professor of Practice and Associate Chair, CPAP | Blacksburg.
Ph.D. Virginia Commonwealth University (2018), public policy and
administration. Organizational theory, collaboration theory, local
government. 2017.

*Stephanie
Davis*



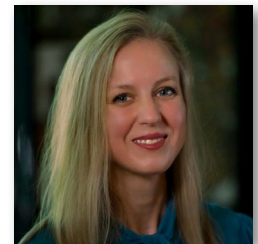
Associate Professor, CPAP | Alexandria.
Ph.D. University of Wisconsin-Madison (2006), political science. Polit-
ical institutions, administrative politics, policy. 2006.

*Matthew
Dull*



Assistant Professor and Associate Chair, CPAP | Alexandria.
Ph.D. George Washington University (2015), public policy and public
administration. The future of work, labor policy, regional economic
development, and research methods 2017.

*Adrienne
Edisis*



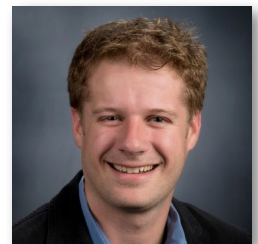
Associate Professor, UAP | Blacksburg.
Ph.D. Massachusetts Institute of Technology (2006), technology,
management and policy. Sustainable infrastructure systems. 2009.

*Ralph
Hall*



Assistant Professor, UAP | Blacksburg.
Ph.D. University of Minnesota (2014), civil engineering. Measuring
and modeling non-motorized traffic; modeling within-city spatial
patterns of air pollution; health impacts of the built environment and
neighborhood design; real-time, mobile measurements of air pollu-
tion. 2014.

*Steve
Hankey*



Professor, CPAP | Blacksburg.
Ph.D. University of Minnesota (1984), political science. Organizational
theory; U.S. national institutions (especially the presidency, executive
branch, and the courts); state politics; social science methodologies.
1998.

*Karen
Hult*



Faculty



**Laura
Jensen**

Associate Professor, CPAP | Blacksburg.
Ph.D. University of Connecticut (1996), political science. Public policy and public management, state building, state capacity, governance, accountability, social welfare policy. 2006.



**Anne
Khademian**

Professor, CPAP | Alexandria.
Ph.D. Washington University (1989), political science. Public management and governance, changing patterns of government, democratic participation and accountability, organizational collaborations, public policy management. 2003.



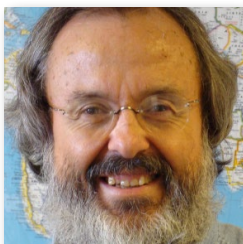
**Paul
Knox**

University Distinguished Professor and Sr. Fellow for International Advancement. UAP | Blacksburg.
Ph.D. University of Sheffield (1972), geography. University Distinguished Professor and Sr. Fellow for International Advancement. Comparative analysis of urbanization and urban planning; social production of the built environment. 1985.



**Robin
Lemaire**

Associate Professor, CPAP | Blacksburg.
Ph.D. University of Arizona (2012), public administration and policy. Organization networks and interorganization relations, public and nonprofit management, public and nonprofit organization theory, management and organization of health care systems. 2012.



**Timothy
Luke**

University Distinguished Professor in Political Science, and Fellow for Arts, Humanities, and Social Science. GIA | Blacksburg.
Ph.D. Washington University – Saint Louis (1981), political science. Environmental politics, cultural studies, comparative politics, international political economy, and modern critical social and political theory, history of political thought, contemporary political theory, comparative and international politics. 1981.



**Shalini
Misra**

Assistant Professor, UAP | Blacksburg.
Ph.D. University of California - Irvine (2010), planning, policy and design. Social and cultural consequences of the Internet and digital communication technologies, health and behavioral impacts of environmental stressors from virtual environments, environment and behavior studies, science of team science. 2012.

Faculty

Associate Professor of Practice, UAP | Blacksburg.

Ph.D. Massachusetts Institute of Technology (2006), urban studies and planning. Community design policy and preservation, urban design, historic preservation, commemoration. 2005.

*Elizabeth
Morton*



Associate Professor, GIA | Blacksburg.

Ph.D. University of Texas at Arlington (2006), urban and public administration. Assistant Professor. Critical social theory, governance, philanthropy and the non-profit sector, politics of knowledge production. 2012.

*Patricia
Nickel*



Professor, GIA and SPIA Director | Alexandria.

Ph.D. St. Antony's College – Oxford (1987), international relations. Professor. Conflict resolution, post-conflict peace-building, Israeli-Palestinian peace process, regional cooperation, regional security. 2006.

*Joel
Peters*



Associate Professor, CPAP | Richmond.

Ph.D. University of California at Berkeley (1986), jurisprudence and social policy. Associate Professor. Public and private sector self-regulation, organization culture, social policy, and ethics. 1994.

*Joseph
Rees*



Associate Professor, CPAP | Alexandria.

Ph.D. University of Virginia (2005), political Science. Public policy, public organizations, federal agencies. 2006.

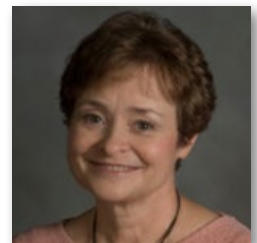
*Patrick
Roberts*



Professor, GIA | Blacksburg.

Ph.D. UC-Santa Barbara (1977), sociology. Democratic governance especially in civil society; critical organizational theory especially alternatives to bureaucracy and hierarchy; economic restructuring and its implications for democracy and social equity. 1991.

*Joyce
Rothschild*



Faculty



**Tom
Sanchez**

Professor and Chair, UAP | Alexandria.
Ph.D. Georgia Tech (1996), city planning. Transportation, land use, residential location behavior, and questions of social equity in planning; geographic information systems. 2010.



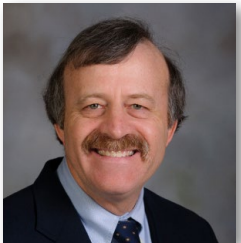
**Todd
Schenk**

Assistant Professor, UAP | Blacksburg.
Ph.D. Massachusetts Institute of Technology (2015), public policy and planning. Assistant Professor. Collaborative planning and decision making; public sector dispute resolution; joint fact finding; environmental policy and planning; climate change adaptation; sustainable development; serious games for action research. 2015.



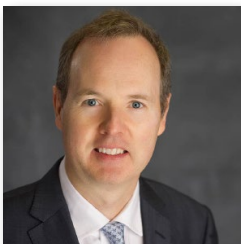
**Tom
Skuzinski**

Assistant Professor, UAP | Blacksburg.
Ph.D. University of Michigan (2015), urban urban and regional planning. Planning and law; policy implementation and governance; land use and housing policy at local, interlocal, and regional levels in the U.S.; the “cultural cognition of governance.” 2015.



**Max
Stephenson**

Professor, UAP, and Director, Inst. for Policy and Governance | Blacksburg.
Ph.D. University of Virginia (1985), government. Public administration, policy implementation, non-profit organizations and management. 1989.



**Gerard
Toal**
(Ó Tuathail,
Gearóid)

Professor, GIA | Alexandria.
Ph.D. Syracuse (1989), political geography. Political geography, critical geopolitics, globalization theories, global conflicts, post-war reconstruction, discourse analysis, global governance, social theory, post-Communist states, nationalism, demographic change, Europe, Bosnia-Herzegovina, northern Caucasus, economic geography. 1989.



**Kris
Wernstedt**

Associate Professor, UAP | Alexandria.
Ph.D. Cornell University (1991), city and regional planning. Environmental planning, urban development, hazardous waste, water resources, hazards, GIS, spatial analysis. 2006.

Faculty

Associate Professor, UAP | Blacksburg.

Ph.D. SUNY-Syracuse (1986), land use planning. Land use planning, comprehensive planning, neighborhood revitalization, crime prevention. 1995.

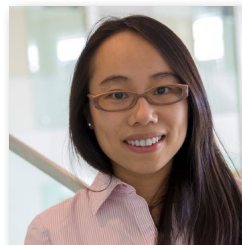
*Diane
Zahm*



Assistant Professor, UAP | Blacksburg.

Ph.D. Georgia Institute of Technology (2017), city and regional planning. Innovative transportation and land use interaction, sustainable transportation, energy consumption, big and open data, applied machine learning in urban studies. 2017.

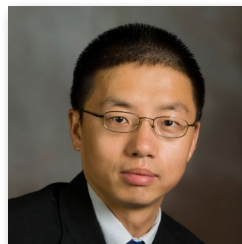
*Wenwen
Zhang*



Associate Professor and Associate Chair, UAP | Blacksburg.

Ph.D. Texas A&M University (2006), urban and regional studies. Environmental planning; environmental science; research methods; fundamentals of GIS; advanced GIS applications; land use planning; planning methods; applied planning. 2008.

*Yang
Zhang*



Assistant Professor, CPAP | Blacksburg.

Ph.D. American University (2017), public affairs. Intersection of immigration policy/enforcement and educational outcomes for citizen and noncitizen Latinos in the US. 2017.

*Raymond
Zuniga*



SCHOOL
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INTERNATIONAL
AFFAIRS

Awards



Steve Hankey

Outstanding Paper Award

Transportation Research Board
- Committee on Pedestrians
Paper Title: "Facility-Demand
Models of Peak-Period Pe-
destrian and Bicycle Traffic: A
Comparison of Fully-Specified
and Reduced-Form Models"

Robin Lemaire

**2017 Certificate for
Excellence in
Teaching**

College of Architecture and
Urban Studies, Virginia Tech



Shalini Misra

Fellowship

National Academies Keck Futures
Initiative Think Tank Style
Conference
"Beyond Boundaries"

Trish Nickel

**Visiting Research
Scholar**

School of Social and Cultural
Studies, Fall 2017



Joel Peters

Visiting Fellow

Davis Institute for International
Relations, Hebrew University,
July 2017

Patrick Roberts

**Wertheim Study
Researcher-in-
Residence**

New York Public Library,
August-December 2017



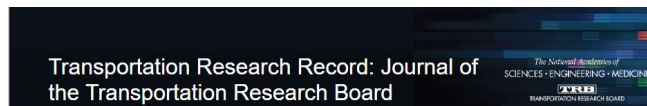
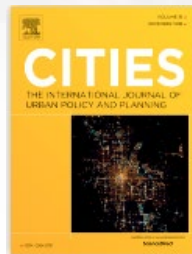
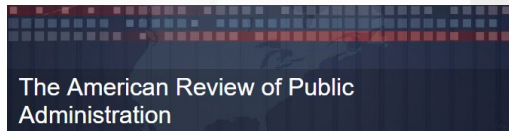
Max Stephenson

**2017 Excellence in
Scholarship Award**

College of Architecture and Ur-
ban Studies, Virginia Tech



PUBLICATIONS



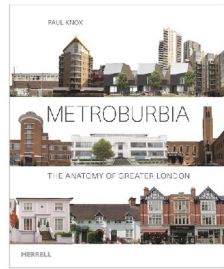
Publications

Books or Monographs

Paul Knox

Knox, P. (2017). *Metroburbia: The Anatomy of Greater London*. London: Merrell.

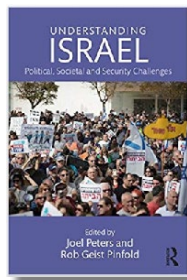
Knox, P. L. (In Press). *Strong Island: Portsmouth's History in Brick and Stone*. Aegir Press, N.C.



Tim Luke

Luke, T. W. (Forthcoming, 2019). *Gun Studies: Firearms as Culture, Politics, and Technology*. New York: Routledge.

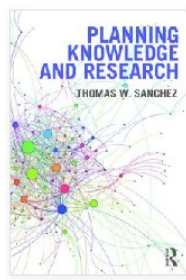
Joel Peters



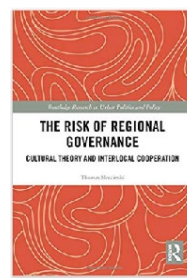
Peters, J. and R. Pinfold. (In Press, 2018). *Understanding Israel Political, Societal and Security Challenges*. Routledge.

Tom Sanchez

Sanchez, T. W. (2017). *Planning Knowledge and Research*. New York, NY: Routledge.



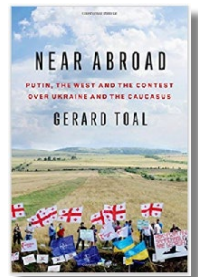
Tom Skuzinski



Skuzinski, T. (Forthcoming, 2018). *The Risk of Regional Governance: Cultural Theory and Interlocal Cooperation*. New York: Routledge.

Gerard Toal

Toal, G. (2017). *Near Abroad Putin, the West and the Contest over Ukraine and the Caucasus*. Oxford University Press.



Books Edited

Shalini Misra

Lottrechiano, G. and S. Misra (eds.). (Forthcoming). Special Issue on *Communication in Transdisciplinary Science*. *Informing Science: International Journal of the Emerging Transdiscipline*. <https://www.informingscience.org/Journals/InformingSci/Overview>

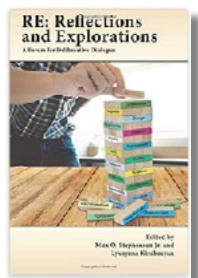
Todd Schenk



Matsuura, M. and T. Schenk (eds). (2017). *Joint fact finding in urban planning and environmental disputes*. Abingdon: Oxon; New York, NY: Routledge. doi:[10.4324/9781315651842](https://doi.org/10.4324/9781315651842)

Max Stephenson

Stephenson, M. and L. Kirakosyan (eds). (2017) *RE: Reflections and Explorations Volume II: A Forum for Deliberative Dialogue*, Blacksburg, VA: Virginia Tech. Paper. PDF and ebook formats: ISBN: 978-0-9963838-3-7 (PDF), ISBN: 978-0-9963838-4-4 (ePub) ISBN: 978-0-9963838-5-1 (paperback).



Publications

Book Chapters

Ariel Ahram

Ahram, A. and J. Gledhill. (2017). "Exiles and Political Islam: Exploring the Global Turn," in D. Malet and M. Anderson (eds.), *Transnational Actors in War and Peace*. Georgetown University Press. Retrieved from <http://press.georgetown.edu/book/georgetown/transnational-actors-war-and-peace>

David Bieri

Bieri, D. S. (Forthcoming). "Conceptualizing Financial Resilience: The Challenges for Urban Theory," in J. Bohland, D. Brosnan, and J. Harrauld (eds.), *The Resilience Challenge: Looking at Resilience through Multiple Lenses*. Springfield, IL, United States: Charles Thomas Publishers.

Bieri, D. S. (2017). "Back to the Future: Lösch, Isard, and the Role of Money and Credit in the Space-Economy," Vol 1, pp. 217-241 in R. Jackson and P. V. Schaeffer (eds.), *Regional Research Frontiers: Innovations, Regional Growth and Migration*. Cham, Switzerland: Springer International Publishing AG. doi:[10.1007/978-3-319-50547-3_14](https://doi.org/10.1007/978-3-319-50547-3_14)

Bieri, D. S. (2017). "Regulatory Space and the Flow of Funds across the Hierarchy of Money," pp. 377-414 in R. L. Martin and J. Pollard (eds.), *Handbook on the Geographies of Money and Finance*. Cheltenham, UK: Edward Elgar. doi:[10.4337/9781784719005.00024](https://doi.org/10.4337/9781784719005.00024)

Maggie Cowell

Cowell M. (Forthcoming). "Policy and Governance Issues Critical to Supporting Regional Economic Resilience," in G. Bristow and A. Healy (eds.), *Handbook on Regional Economic Resilience*. Edward Elgar.

Cowell, M. and K. DeSouza. (Forthcoming). "Micro-scale Disasters and Local Resiliency," in J. Bohland, J. Harrauld, and D. Brosnan (eds.), *The Resiliency Challenge: Transforming Theory to Action*. Springfield, IL: Charles C Thomas Press.

Paul Knox

Knox, P. (2017). "Reflexive Neoliberalism, Urban Design, and Regeneration Machines," pp. 82-96 in H. Westlund and T. Haas (eds.), *Post-Urban World*. London: Routledge.

Shalini Misra

Misra, S. and C. Trivedi. (2017). "Psychological impacts of technological change," in A. Czopp and A. Blume (eds.), *Social Issues in Living Color: Challenges and Solutions from the Perspective of Ethnic Minority Psychology*. Praeger. <http://www.abc-clio.com/Praeger/product.aspx?pc=A4522C>

Patrick Roberts

Roberts, P., K. Wernstedt, J. Arvai, and K. Redmond. (In Press). "The Emergency Manager as Risk Manager," in J. Kendra and S. Knowles (eds.), *The New Environmental Crisis*. New York, USA: Springer.



Publications

Book Chapters continued

Tom Sanchez

Sanchez, T. W. and N. Afzalan. (2017). "Mapping the Knowledge Domain of Planning," in T. Sanchez (ed.), *Planning Knowledge and Research*. New York, NY: Routledge.

Todd Schenk

Schenk, T. (2017). "Facts for now, facts for use: satisficing and adapting in joint fact-finding," pp. 82-99 in M. Matsuura and T. Schenk (eds.), *Joint Fact Finding in Urban Planning and Environmental Disputes*. London and New York: Routledge.

Czaika, E., D. Rumore, and T. Schenk. (2017). "Finding the facts about joint fact-finding: criteria and approaches for rigorous evaluation," pp. 181-203 in M. Matsuura and T. Schenk (eds.), *Joint Fact Finding in Urban Planning and Environmental Disputes*. London and New York: Routledge.

Matsuura, M. and T. Schenk. (2017). "Introduction: the theory and practice of joint fact-finding," pp. 1-13 in M. Matsuura and T. Schenk (eds.), *Joint Fact Finding in Urban Planning and Environmental Disputes*. London and New York: Routledge.

Matsuura, M., & Schenk, T. (2017). "Conclusion," pp. 204-210 in M. Matsuura and T. Schenk (eds.), *Joint Fact-Finding in Urban Planning and Environmental Disputes*. London and New York: Routledge.

Tom Skuzinski

Skuzinski, T. and E. Linkous. (Forthcoming, 2018). "Transfer of Development Rights as a Tool for Confronting Land Scarcity: Politics and Practice" in J-D. Gerber, T. Hartmann, and A. Hengstermann (eds.), *Instruments of Land Policy: Dealing with Scarcity of Land*. New York: Routledge.

Yang Zhang

Zobel, C., M. Baghersad, and Y. Zhang. (2017). "An approach for quantifying the multidimensional nature of disaster resilience in the context of municipal service provision," pp. 239-261 in A. Fekete and F. Fiedrich (eds.), *Urban Disaster Resilience and Security – Novel Approaches for Dealing with Risks in Societies*. New York, NY: Springer.

Peacock, W. G., N. Dash, Y. Zhang, and S. Van Zandt. (2017). "Post-Disaster Sheltering, Temporary Housing and Permanent Housing," pp. 569-595 in R. Dynes, H. Rodriguez, and E. Quarantelli (eds.), *Second Edition Handbook of Disaster Research*. New York: Springer.

Zhang, Y. and W. Drake. (Forthcoming). "Housing Recovery after Disasters," In M. K. Lindell, S. Van Zandt and W. G.s Peacock (eds.), *Handbook of Planning for Disaster Resilience*. New York: Routledge.



Articles

Ariel Ahram

Ahram, A. I. (2017). "Territory, Sovereignty, and New Statehood in the Middle East and North Africa," *Middle East Journal*, 71(3): pp. 345-362. doi:[10.3751/71.3.11](https://doi.org/10.3751/71.3.11)

David Bieri

Bieri, D. and C. J. Dawkins. (Forthcoming). "Amenities, Affordability, and Housing Vouchers," *Journal of Regional Science*.

Bieri, D. S. (2017). "Managing "Cataclysmic Money": How Financial Regulation Matters for the Future of US Housing Policy," *Housing Policy Debate*, 27(3): pp. 476-482. doi:[10.1080/10511482.2017.1298211](https://doi.org/10.1080/10511482.2017.1298211)

Ralph Buehler

Buehler, R. J. Pucher, R. Gerike, and T. Gotschi. (2017). "Reducing car dependence in the heart of Europe: lessons from Germany, Austria, and Switzerland," *Transport Reviews*, 37(1): pp. 4-28. doi:[10.1080/01441647.2016.1177799](https://doi.org/10.1080/01441647.2016.1177799)

Lu, T., R. Buehler, A. Mondschein, and S. C. Hankey. (2017). "Designing a Bicycle and Pedestrian Traffic Monitoring Program to Estimate Annual Average Daily Traffic in a Small Rural College Town," *Transportation Research Part D: Transport and Environment*, (53): pp. 193-204. doi:[10.1016/j.trd.2017.04.017](https://doi.org/10.1016/j.trd.2017.04.017)

Hankey, S.C. T. Lu, A. Mondschein, and R. Buehler. (2017). "Spatial models of active travel in small communities: Merging the goals of traffic monitoring and direct-demand modeling," *Journal of Transport and Health*, (7)" pp. 149-159 doi:[10.1016/j.jth.2017.08.009](https://doi.org/10.1016/j.jth.2017.08.009)

Buehler, R., J. Pucher, and A. Altshuler. (2017). "Vienna's path to sustainable transport," *International Journal of Sustainable Transportation*, 11(4): pp. 257-271. doi:[10.1080/15568318.2016.1251997](https://doi.org/10.1080/15568318.2016.1251997)

Winters, M., R. Buehler, and T. Götschi. (2017). "Policies to Promote Active Travel: Evidence from Reviews of the Literature," *Current Environmental Health Reports*, 4(3): pp. 278-285. doi:[10.1007/s40572-017-0148-x](https://doi.org/10.1007/s40572-017-0148-x)

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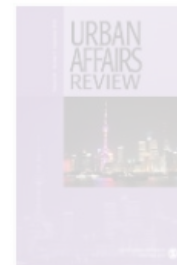
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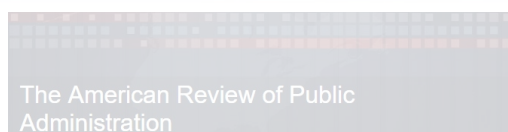
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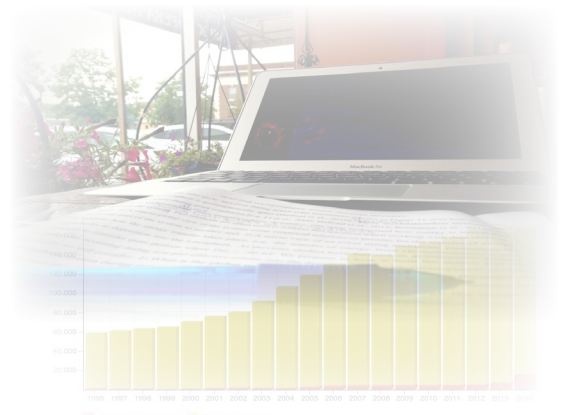
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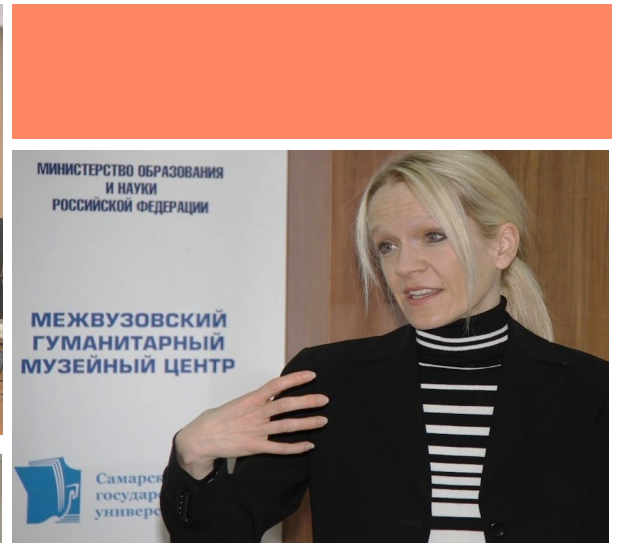
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Hall, R. P. (Keynote. 2017). "Innovation Ecologies - Changing Universities." Virginia Tech. Retrieved from https://www.youtube.com/watch?v=t_qst23vViU

Hall, R. P., R. Jones, J. Van Mullekom, and M. Kucsak. (Keynote. 2017). Academic Leaders Program - Panel Discussion.

Hall, R. P. (Keynote. 2017). "Faith in the System: Rebuilding Trust in Government in a Time a Complex Governing Challenges." In *SPIA Ride-nour Faculty Fellowship Conference & High Table Celebration*. Virginia Tech. Retrieved from <https://ralphphall.wordpress.com/2017/03/17/future-of-work-income/>.

Steve Hankey

Yaganeh, A., R. Hall, A. Pearce, and S. Hankey. (2017). "An equity analysis of the U.S. public transportation system based on job accessibility." In *Association of Collegiate Schools of Planning*. Denver, CO.

Hankey, S., H. Le, and R. Buehler. (2017). "Impacts of the built environment on active travel: Evidence from 20 US metropolitan areas." In *Association of Collegiate Schools of Planning*. Denver, CO.

Le, H., T. Glasgow, R. Buehler, Y. Fan, and S. Hankey. (2017). "Exploring travel affinity associated with travel modes and multitasking." In *Association of Collegiate Schools of Planning*. Denver, CO.

Presentations

Hankey, S. and P. Sforza. (2017). *Using mobile sensing of air quality to design low-exposure bicycle routes*. Poster session presented at the meeting of Association of Collegiate Schools of Planning.

Bhagavathula, R., R. Gibbons, and S. Hankey. (2017). *Can street lighting promote physical activity after dark? An exploratory study*. Poster session presented at the meeting of Illuminating Engineering Society.

Fitzpatrick, T., S. Hankey, and J. Rankin. (2017). *Assessing Barriers and Motivators for Use of a Trail for Active Transportation in a College Town*. Poster session presented at the meeting of Southeast American College of Sports Medicine.

Lindsey, G., M. Peterka, J. Wang, J., and S. Hankey. (2017). *Monitoring Shared-use Paths: Applying Warrants for Pedestrian Hybrid Beacons and Traffic Signals*. Poster session presented at the meeting of Transportation Research Board.

Hankey, S., T. Lu, A. Mondschein, and R. Buehler. (2017). *Merging Traffic Monitoring and Direct-Demand Modeling to Assess Spatial Patterns of Annual Average Daily Bicycle and Pedestrian Traffic*. Poster session presented at the meeting of Transportation Research Board.

Wang, J., S. Hankey, and G. Lindsey. (2017). *Exposure to Risk and the Built Environment: Empirical Study of Bicycle Crashes in Minneapolis, Minnesota*. Poster session presented at the meeting of Transportation Research Board.

Lu, T., R. Buehler, A. Mondschein, and S. Hankey. (2017). *Designing a bicycle and pedestrian traffic monitoring program to estimate annual average daily traffic in a small rural college town*. Poster session presented at the meeting of Transportation Research Board.

Sara Jordan

Jordan, S. R. (Keynote. 2017). "Cognitive Computing Ethics and Social Challenges." In *AI World*. Boston. Retrieved from <https://aiworld.com/speakers/>

Jordan, S. R. (Keynote. 2017). "Social and Personal Impacts of AI." In IEEE TechEthics.

Anne Khademian

Khademian, A. (2017). "From Jurassic to Jetsonian Government, 21st Century Competencies and the University as Case Study," NASPAA Annual Meeting, October.

Khademian, A. (2017). Book Round Table on Making Policy Public: Participatory Bureaucracy in American Democracy by Susan Moffitt. Southern Political Science Association. January.

Khademian, A. M. (Keynote. 2017). "Ways of Knowing Megaregions." In Beijing Forum. Beijing, China.

Khademian, A.M. (Keynote. 2017). "Resilience as an Outcome of Inclusion: Managing Across Zones of Difference." Bellmon Lecture, University of Oklahoma.

Robin Lemaire

Lemaire, R. H. (2017). "Leading or misleading community change?: Philanthropic funders and using network analysis to target investment." Paper presented at the 2017 Association for Research on Nonprofit Organizations and Voluntary Action national meeting. November.

Lemaire, R. H. (2017). "The Functions of Network Executives: A Goal-directed Network Management Framework." Paper presented at the 2017 national meeting of the Academy of Management, August.

Presentations

Lemaire, R. H. (2017). "What is Our Purpose Here?: Network Relationships and Goal Congruence in a Goal-directed Network." Paper presented at the 2017 national meeting of the Academy of Management, August.

Lemaire, R. (Keynote. 2017). "How to Build an Effective Network." Presented to the NRV Regional Food Access Network. Summer.

Lemaire, R. (2017). Results Presentation. United Way of the Roanoke Valley and the Family Self-Sufficiency Network. February.

Lemaire, R. (2017). "How to Build an Effective Network." Presented to the NRV Regional Food Access Network. May.

Tim Luke

Luke, T. W. (Keynote. 2017). "Late Holocene or Early Anthropocene: Care, Curation, and Conservation in Times of Ecological Survival." Remaking the Museum: Curation, Care, and Conservation in Times of Ecological Upheaval, Center for Environmental Humanities, Moesgaard Museum, Aarhus University, Aarhus, Denmark, December.

Luke, T. W. (Keynote. 2017). "The Promises of Liberation and Powers of Repression Today: Marcuse and North American Critical Theory." International Herbert Marcuse Society Seventh Biennial Conference, York University, Toronto, Ontario, October.

Luke, T. W. (2017). Gun Studies Symposium, University of Arizona, Tucson, Arizona, October.

Luke, T. W. (2017). "Obama in Hiroshima, Abe in Honolulu: *Machtpolitik*." "Museums, Exhibitions and the Representation of the International," Fourth European Workshops in International Studies, University of Cardiff, Wales, June.

Luke, T. W. (2017). "Counting Up The AR-15s: The Subject of Assault Rifles and the Assault Rifle as Subject." The Symbolic and Material Construction of Guns, "The Resilience Machine," Conference at Amherst College, Amherst, MA, March.

Luke, T. W. (2017). "What Must Be Done: Sustaining New Political Science in the USA after Decades of Decline." Caucus for a New Political Science 50th Anniversary Conference, Isla Grande Beach Resort, South Padre Island, Anniversary Conference, Isla Grande Brownsville, TX, February.

Shalini Misra

Misra, S. and D. DiazGranados. (2017). Emerging SciTS Scholars Panel. SciTS Conference, Clearwater, FL., June.

Lottrechiano, G. and S. Misra. (2017). Observational and Analytic Features for the Study of Transdisciplinary Teams. Informing Science Institute (InSITE) Conference, Ho Chi Minh City, Vietnam, July-August.

Lottrechiano, G. and S. Misra. (2017). Observational and Analytic Features for the Study of Transdisciplinary Teams. Association for Integrative Studies Conference, Baltimore, MD, October.

Trivedi, C. and S. Misra. (2017). The Integral Place of Dialogue in Social Entrepreneurial Ventures. SciTS Meeting, Clearwater, FL., June.

Joe Rees

Rees, J. (2017). "Fukushima And Nuclear Safety Regulation." In Law@Society Association Annual Meeting. Honolulu Hawaii.

Presentations

Patrick Roberts

Roberts, P. S. (Keynote. 2017). "Big Ideas in Emergency Management Research and Practice." College of Emergency Management, SUNY-Albany, Albany, New York.

Roberts, P. S. (Keynote. 2017). "Legal and Political Considerations for the New Administration." In Natural Hazards Workshop. Broomfield, CO.

Roberts, P. S. (Keynote. 2017). "From Crisis Management to the Governance of Risk." In From the management of crisis to the governance of risk: Time for a paradigm shift?. Haikou, China.

Roberts, P. S. (Keynote. 2017). "Decision Biases and Heuristics Among Public Managers." Tsinghua University, Beijing, China.

Roberts, P. S. (2017). "Emergency Management in the United States Today." Carnegie Mellon Washington Semester Course, October.

Wernstedt, K., P. Roberts, J. Arvai, and K. Redmond. (2017). "Emergency Management in Rural America: Decision Makers' Use of Climate Science in Flood Planning and Management." Meeting of Division of Civil, Mechanical and Manufacturing Innovation (CMMI) National Science Foundation.

Roberts, P., J. Arvai, K. Redmond, and K. Wernstedt. (2017). "Using Climate Forecasts to Improve Emergency Planning and Management." Meeting of Disaster Research Center 50th Anniversary Workshop.

Tom Sanchez

Sanchez, T. W. (2017). "Smart City Technology for Critical Infrastructure: A Challenge for Visioning and Planning. The Beijing Forum, Beijing, China, November.

Gebresselassie, M. and T. W. Sanchez. (2017). "Smart, Equitable and Inclusive Urban Transport." The Association for Collegiate Schools of Planning Annual Conference, Denver, CO, October.

Sanchez, T. W. (2017). Virginia Tech Urban Computing Day panel on the Future of Urban Data.

Sanchez, T. W. (2017). "Washington DC Region Housing Needs," discussion by six area planning directors.

Sanchez, T. W. (2017). "Future of Housing Policy," University of Pennsylvania Planning Program, August.

Sanchez, T. W. (2017). "Future of Regional Governance," Beijing Forum, Beijing, China. November.

Sanchez, T. W. (2017). Journal Editors Roundtable (invited panelist) Association for Collegiate Schools of Planning Annual Conference, Portland, OR.

Todd Schenk

Schenk, T. E. (Keynote. 2017). "From Land Use Disputes to Policy Challenges: More Meaningful Public Participation Deliberation." Roanoke, VA. Retrieved from <http://cityworksxpo.com/2017-speakers/>

Schenk, T. E. (Keynote. 2017). "Gaming Uncertainties: Using role-play simulation exercises to facilitate deliberation around wicked challenges." Tokyo, Japan.

Schenk, T. (2017). Pre-Organized Session: "Serious Games for Collaborative Planning & Stakeholder Engagement." In *Association of Collegiate Schools of Planning Annual Conference* (2017). Denver, CO.

Presentations

Schenk, T. (2017). "Role-Play Simulation Exercises for Social Learning & Collaborative Problem Solving: Lessons from the Harboring Uncertainty Project." In *Association of Collegiate Schools of Planning Annual Conference* (2017). Denver, CO.

Schenk, T. (2017). Round Table: "Serious Games for Collaborative Planning & Stakeholder Engagement." In *Association of Collegiate Schools of Planning Annual Conference* (2017). Denver, CO.

Schenk, T. (2017). "Effective Participation Methods 2." In *Urban Affairs Association Annual Conference* (2017). Minneapolis, MN.

Schenk, T. (2017). "Making Frenemies: Fostering Civility and Seeking Solutions Through Civil Discourse Among the Utterly Opposed." In *Urban Affairs Association Conference* (2017). Minneapolis, MN.

Tom Skuzinski

Skuzinski, T. (2017). Association of Law, Property, and Society 8th Annual Meeting. The Staff Planner as Legal Expert. May.

Skuzinski, T. (2017). "The Limits of Administrative Conjunction Theory in Cooperative Land Use: The Case of Metropolitan Detroit." American Society for Public Administration 2017 Annual Conference. March.

Skuzinski, T. (2017). "Interlocal Cooperation Amidst Uncertainty: How Variation in Institutional Setting Affects the Reasoning of Local Public Actors." Urban Affairs Association 47th Annual Conference. April.

Max Stephenson

Stephenson, M. O. (2017). "Reflections on Capacity Building and Community Change." In Global Leadership, Empowerment and Diversity Summit. Arlington, VA.

Stephenson, M. O. (2017). "Restoring Trust in Government in a Time of Complex Governing Challenges." In SPIA Ridenour Symposium. VT Skelton Center.

Stephenson, M. O. (2017). Nonprofit Board Governance: Context, Challenges and Possibilities, Nonprofit Roundtable/Make a Mark Roanoke. January.

Wenwen Zhang

Zhang, W. and S. Guhathakurta. (2017). "Shared Autonomous Vehicles and Employment Agglomeration: An agent-based Simulation Model." In *Annual Meeting of Association of Collegiate Schools of Planning*.

Zhang, W. (2017). "Urban Informatics - Shaping the future of cities using data science and technology." ICTAS.

Zhang, W. (2017). "How to finish dissertation on time." Georgia Institute of Technology, City and Regional Planning, Atlanta, GA, PhD Seminar. November.

Ray Zuniga

Zuniga, R. A. (2017). "\$ Value of College Degree and Higher Ed Economics." College Advising Corp; KC Scholars, Kansas City, MO. December.

Zuniga, R. A., S. Bishu, and S. Larson. (2017). "Landing a Tenure-Track Assistant Professor Job." American Society for Public Administration, ASPA Online Student Webinar Series. August.

nuclear safety collaboration education
economic change pedestrian traffic international affairs
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smart cities vibrant communities air quality
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resilient communities administration globalization
data science economic development housing
urban cycling environment middle east society
diversity economic development transport environments
natural disasters climate change inclusionary planning
critical technology

Funded Research

Ariel Ahram

ISCE Middle East, ISCE, USD 25,000 (01/01/2017 - Present)

Nuclear Security, Safety, and Security in the Middle East, ISCE, USD 20,000 (05/02/2015 - Present). Principal Investigators: Roberts, Patrick; Schmidt, Sonja

David Bieri

NRT-DESE: UrbComp: Data Science for Modeling, Understanding, and Advancing Urban Populations, National Science Foundation, National Science Foundation, USD 2,999,328, Principal Investigators: Ramakrishnan, Narendran (30%), Abbas, Kaja M (5%), Batra, Dhruv (5%), Bieri, David S (5%), Embree, Mark P (5%), House, Leanna L (5%), Keller, Sallie A (5%), Others (40%), 09/01/2015-08/31/2020

Ralph Buehler

Street noise relationship to vulnerable road user safety, Safety Through Disruption National Universality Transportation Center (SAFE-D), Department of Transportation, 09/01/2017

Planning for Walking and Cycling in an Autonomous Vehicle Future, USDOT - MATS - Region 3, Department of Transportation, 08/21/2017

Multi-city, national-scale direct-demand models of peak-period bicycle and pedestrian traffic, 08/10/2016-05/17/2017

Brian Cook

The Design and Implementation of Trade Secret Protections in Transparency-based Environmental Regulation, Institute for Society, Culture, and Environment, 06/01/2015-05/31/2018

Maggie Cowell

NRT: Disaster Resilience and Risk Management (DRRM) - Creating quantitative decision making frameworks for multi-dimensional and multi-scale analysis of hazard impact National Science Foundation. PI: R. Weiss Robert, Co-PIs: M. Paretti, M. Cowell, J. Irish, Y. Zhang, C. Zobel \$2,999,782, 2/17-present

Cities 'After Decline': Urban Revival in the USA and Russia. German Research Foundation PIs: J. Bohland, N. Kinossian; Co-PIs: J. Bohland, T. Scuzinski, M. Cowell. ~\$30,000 USD, 9/17-2/18

Improving Virginia Competitiveness Virginia Chamber of Commerce PI: S. Lyon-Hill, Co-PIs: S. Tate, M. Cowell, J. Provo. \$36,000, 6/17-10/17

Appealing to the Authority of Data: Social Complexity, Fragmented Decisionmaking, and the Politics of Smart Cities. National Science Foundation PIs S. Sterett (44%) and A. Eckerd (44%) Co-PIs Orr (8%) and Cowell (4%). \$200,000, 8/16-8/17

Adrienne Edisis

Incentive Effects of Workers' Compensation Insurance Employer Costs, U.S. Department of Labor (Administrator: Avar Consulting Inc), Other, USD 29,896, Principal Investigators: Edisis, Adrienne T. (100%), 08/01/2016-08/31/2017

Ralph Hall

Convergence HTF: RCN: "Enhancing small and mid-level farm viability through a systems-based research network: Linking technology and sustainable development and practice," National Science Foundation, , 09/01/2017

Funded Research

Ralph Hall cont. International Program and Sustainable Infrastructure Development, University Grant Commission, USD 61,576, Principal Investigators: Hall Ralph P (34%), Garvin Michael J (33%), Misra Shalini (33%), 08/01/2012-07/31/2016

Steve Hankey

Characterizing urban- and finer-scale spatiotemporal variability for select VOC Superfund compounds, National Institutes of Health, Co-Principal Investigator, Total award: \$700,000; share to VT: \$69,291, 08/01/2017-07/31/2022.

Planning for walking and cycling in an autonomous vehicle future, Mid-Atlantic Transportation Sustainability University Transportation Center, Department of Transportation, Co-Investigator, Total award: \$91,250; share to VT: \$84,436, 08/01/2017-05/31/2018.

Street noise relationship to vulnerable road user safety, Safe-D University Transportation Center, Department of Transportation, Co-Principal Investigator, Total award: \$54,066; share to VT: \$20,352, 06/01/2017-05/31/2017.

Developing VOC land use regression models in Minneapolis, MN, City of Minneapolis, Principal Investigator, Total award (and share to VT): \$6,300, 05/15/2017-08/25/2017.

Center for air, climate, and energy solutions (CACES), Environmental Protection Agency, Co-Principal Investigator, Total award: \$10 million; share to VT: \$278,629, 05/01/2016-04/30/2021.

Multi-city, national-scale direct-demand models of peak-period bicycle and pedestrian traffic, Mid-Atlantic Transportation Sustainability University Transportation Center, Department of Transportation, Principal Investigator, Total award (and share to VT): \$89,232, 06/01/2016-05/31/2017.

Towards real-time air quality models: Adding temporal precision to empirical models of air quality, Institute for Critical Technology and Applied Science, Principal Investigator, Total award: \$79,820, 07/01/2017-06/31/2019.

Mood state in transport environments: Assessing the impact of mode, purpose, and the built environment, Institute of Society Culture and Environment, Principal Investigator, Total award: \$12,630, 07/01/2016-12/31/2017.

Sara Jordan

Institutional Transformation: Cultivating an ethical STEM culture through an integrated undergraduate general education, National Science Foundation, USD 599,282. Principal Investigators: Bairaktarova, Diana (35%), Jordan, Sara R. (25%), Sible, Jill C (25%), Staley, Thomas W (10%), Riley, Donna M. (5%), 08/15/2017-07/31/2022

Shalini Misra

2016-2019: Creating a culture of collaboration at George Washington University (C3GWU). Role: Project Lead for “Being a Cross-Disciplinary Scientist.” Think Tank. Sponsor: George Washington University

2017-18: Co-PI, Caution: Heavy Load Ahead, Smart and Connected Communities- Planning Grant, National Science Foundation (\$99,354)

2017-2018: Principal Investigator, Thinking and Decision Making in An Age of Divided Attention, Institute for Society, Culture, and Environment, Virginia Tech (\$30,000)

Faculty Mentoring Grant, Office of the Provost, Virginia Tech. Role: Principal Investigator, (\$1500)

Funded Research

Shalini Misra cont. D.C. Initiative (2013-2017).
Role: Team member; Director: Maggie Cowell.
Sponsor: Institute of Society Culture and Environment, Virginia Tech. Amount: \$100,000.00

Joel Peters

Breaking the Impasse: Beyond the Two-State solution.; ISCE/Middle East Small Grant Program, USD 4,000 (on going: 06/01/2017 - 06/01/2019)

Patrick Roberts

Nuclear & Security Affairs IPA, Council on Foreign Relations, USD 125,000, Principal Investigators: Roberts Patrick S (100%), 10/30/2017-08/31/2018

SCC-Planning: Caution: Heavy Load Ahead, National Science Foundation, USD 99,354, Principal Investigators: Wernstedt Kris F (18%), Heaslip Kevin P (17%), Misra Shalini (17%), Murray-Tuite Pamela M (17%), Roberts Patrick S (17%), Swarup Samarth (14%), 09/15/2017-08/31/2018

Regulating Climate Change: Governance and Legal Mobilization, Oñati International Institute for the Sociology of Law/National Science Foundation Workshop Grant, Approx. \$1500, National Science Foundation, 07/17/2017

Misra, S. and Roberts, P. Thinking and Decision Making in an Age of Divided Attention, ISCE Scholars Grant, 2017-18.

Ahram, A., Roberts, P., Schmid, S. Integrating Safety, Security, and Safeguards in Nuclear Science and Policy, Policy Strategic Growth Area Research Award, 2017-2018, \$30,000.

Tom Sanchez

Housing and Economic Development. Melissa Jones, Andrew McCoy, Thomas Sanchez, Charles Koebel. Sponsor: Virginia Housing Development Authority. Amount: \$615,138.00. (August 18, 2015 - November 20, 2017).

Todd Schenk

Collaborative remedies for fragmented societies - Facilitating the collaborative turn in environmental decision-making (CORE), Strategic Research Council of Finland, 09/01/2017-08/31/2021

A synthetic population approach to modeling human health and the environment: A tool for adaptation planning, Global Change Center (VT), 11/01/2017-05/31/2018

Stresses and Instability in Coastal Systems: Sustaining Prosperity, Increasing Diversity and Achieving Resilience, Global Systems Science Destination Area (VT), 09/01/2017-05/31/2018

Sustainable Renewable Energy Systems (SRES) Project, Policy Strategic Growth Area (VT), 09/01/2017-05/30/2018

Pathways Development/Delivery Grant, General Education at Virginia Tech, 02/17/2017-05/30/2018

Tom Skuzinski

Regional Studies Association Early Career Grant Scheme. PI: Thomas Skuzinski, \$14,345. 11/13/17 – 11/12/18

Reimagining metropolitan fragmentation: The Local Autonomy Project. Department of Transportation (University Transportation Centers), Center for Transportation Equity, Decision, and Dollars (C-TEDD) #017-08. PI: David Weinreich; Co-PI: Thomas Skuzinski; Co-PI: Shima Hamidi, \$63,457. 9/1/17 – 8/31/18

Funded Research

Tom Skuzinski cont. Local Barriers to Regional Transportation: Understanding Transit System Fragmentation from an Institutional Perspective. Institute for Critical Technology and Applied Sciences (ICTAS). Research Experiences for Undergraduates NSF Pilot Funding. PI: Thomas Skuzinski. \$10,000. 11/1/17 – 6/30/18

Decision Sciences for Resilient Communities. Curriculum Globalization Grant - UAP 4754 Legal Foundation of Planning. Awardee: Thomas Skuzinski, \$3,500. Spring 2017 / Fall 2017

Max Stephenson

Small Communities and the Challenge of Social and Economic Change, Bridge Valley Community Technical College; VT Outreach and International Affairs, Principal Investigators: Stephenson M, 03/06/2017-11/20/2017, \$17,000.

Loudoun County Nonprofit Needs Assessment, County of Loudoun, \$75,000, Principal Investigators: Dunkenberger Mary E (90%), Stephenson Max O (10%), 11/04/2016-11/03/2017

Yang Zhang

NRT: Disaster Resilience and Risk Management (DRRM): Creating Quantitative Decision Making Frameworks for Multi-dimensional and Multi-scale Analysis of Hazard Impacts. Yang Zhang (Co-PI), Robert Weiss (PI), Jennifer Irish, Margaret Cowell, Christopher Zobel, Guney Olgun, Debra Olsen. Sponsor: National Science Foundation. Amount: \$3,000,000. September 2017 to August 2022.

Sea level rise and human pressures on the land-sea interface. Yang Zhang (Co-PI), Robert Weiss (PI), Jennifer Irish, Margaret Cowell, Christopher Zobel, Anamaria Bukvic. Sponsor: Virginia Tech Global Systems and Science Destination Area. Amount: \$40,000. Duration: 2017

Quantifying Natural Disasters' Impact on Neighborhood Transition. Yang Zhang (PI), Christopher Zobel. Sponsor: Global Forum for Urban and Regional Resilience. Amount: \$15,000
Duration: April 2016 – September 2017

Diane Zahm

American Planning Association, Chapter President's Council grant, \$7500, "Creating Vibrant Communities Through Inclusionary Planning: Diversity and Equity" (Project Director; award is to the Virginia Chapter of the APA).



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