



Dear friends:

The University of Pittsburgh Institute for Cyber Law, Policy, and Security launched in 2017 as an experiment: Can existing approaches to cyber at Pitt and beyond be transformed to drive better outcomes?

2019 allowed us to answer that question with a most emphatic yes.

From driving improved election security across Pennsylvania to launching new research around cyberbullying prevention to providing cybersecurity education to hundreds of high school students, Pitt Cyber's research, education, and public engagement integrates cutting-edge research and teaching across the full breadth of the University of Pittsburgh to promote the development and use of technology safely, securely, and equitably.

We hope that you will be as excited as we are about the success we continue to have in innovating and collaborating across disciplines here within Pitt, with policymakers, and with industry. We continue to work in the critical space at the intersection of technology, law, and policy and know that this type of transdisciplinary work will be even more vital in the years to come.

Pitt Cyber will continue to take on work wherever we can be most impactful. We hope you will take a moment to read about all we have accomplished in our third year. We look forward to your continued ideas, insight, and partnership.

Sincerely,

David Hickton Founding Director



Programs

The Blue Ribbon Commission on Pennsylvania's Election Security



Key recommendations of the Commission include:

- Replace vulnerable voting machines with systems using voter-marked paper ballots paired with risk-limiting audits and
- Increase federal and state funding for election security.

The independent, bipartisan commission has been heartened to see many of its recommendations taken up throughout the Commonwealth, including voting machine replacement, piloting of risk-limiting audits, and increased state funding for voting system replacement.

Pitt Cyber is grateful for the support of The Heinz Endowments and the Charles H. Spang Fund of the Pittsburgh Foundation, as well as collaboration with Verified Voting on this work.

The Blue Ribbon Commission on Pennsylvania's Election Security's work and its researchers have been cited extensively in national and local media and endorsed by editorial boards across Pennsylvania and beyond. The Commission also has been recognized by the Allegheny County Council, which presented the Commission with a proclamation honoring its work. Pitt Cyber staff members testified before the Pennsylvania Senate State Government Committee and appeared before the Allegheny County Board of Elections.

Analyzing Pennsylvania's Voting Systems Selections

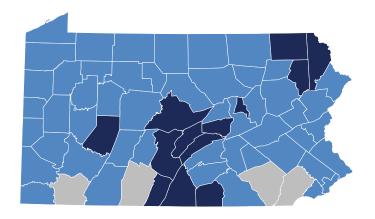
Pitt Cyber collaborated with Citizens for Better Elections to conduct analysis of Pennsylvania counties' selections of paper-based voting systems, finding that counties that purchase exclusively ballot-marking devices are paying substantially more on a per voter basis than those counties that purchase the more secure option of optical scan machines that tabulate hand-marked paper ballots supplemented by ballot-marking devices for voters who are unable to handmark.

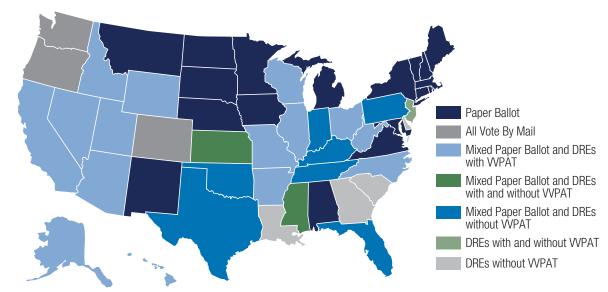




Identifying Federal Funding Needs for State Election Security

Pitt Cyber also collaborated with the Brennan Center for Justice, R Street Institute, and Alliance for Securing Democracy to analyze federal funding needs for state election security, reviewing allocation of 2018 federal funds and identifying additional unfunded security needs for selected states, including Pennsylvania.





Members of The Blue Ribbon Commission on Pennsylvania's Election Security



Commission Co-chairs

David Hickton, founding director, University of Pittsburgh Institute for Cyber Law, Policy, and Security; and former U.S. attorney for the Western District of Pennsylvania

Paul McNulty, president, Grove City College, former U.S. deputy attorney general, and former U.S. attorney for the Eastern District of Virginia

Commission Members

Jim Brown, former chief of staff to U.S. Senator Robert P. Casey Jr. and former chief of staff to Pennsylvania Governor Robert P. Casey

Esther L. Bush, president and CEO, Urban League of Greater Pittsburgh

Mary Ellen Callahan, former chief privacy officer, U.S. Department of **Homeland Security**

Susan Carty, president, League of Women Voters of Pennsylvania

Nelson A. Diaz, retired judge, Philadelphia Court of Common Pleas

Jane Earll, attorney and former Pennsylvania State Senator

Douglas E. Hill, executive director, County Commissioners Association of Pennsylvania

Mark A. Holman, partner, Ridge Policy Group, former deputy assistant to the president for homeland security, and former chief of staff to Pennsylvania Governor Tom Ridge

Ken Lawrence, vice chair, Montgomery County Board of Commissioners

Mark A. Nordenberg, chair of the Institute of Politics, University of Pittsburgh; Chancellor Emeritus of the University; and Distinguished Service Professor of Law

Grant Oliphant, president, The Heinz **Endowments**

Pedro A. Ramos, president and CEO, The Philadelphia Foundation

James C. Roddey, former chief executive, Allegheny County

Marian K. Schneider, president, Verified Voting, and former Pennsylvania deputy secretary of state for elections and administration

Bobbie Stempfley, director, CERT Division, Software Engineering Institute, Carnegie Mellon University

David Thornburgh, president and CEO, Committee of Seventy

Sharon Werner, former chief of staff to U.S. attorneys general Eric H. Holder Jr. and Loretta E. Lynch

Dennis Yablonsky, former CEO, Allegheny Conference on Community Development and former Pennsylvania secretary of community and economic development

Senior Advisors

Charlie Dent, former U.S. Congressman, 15th District of Pennsylvania

Paul H. O'Neill, 72nd secretary of the U.S. Treasury

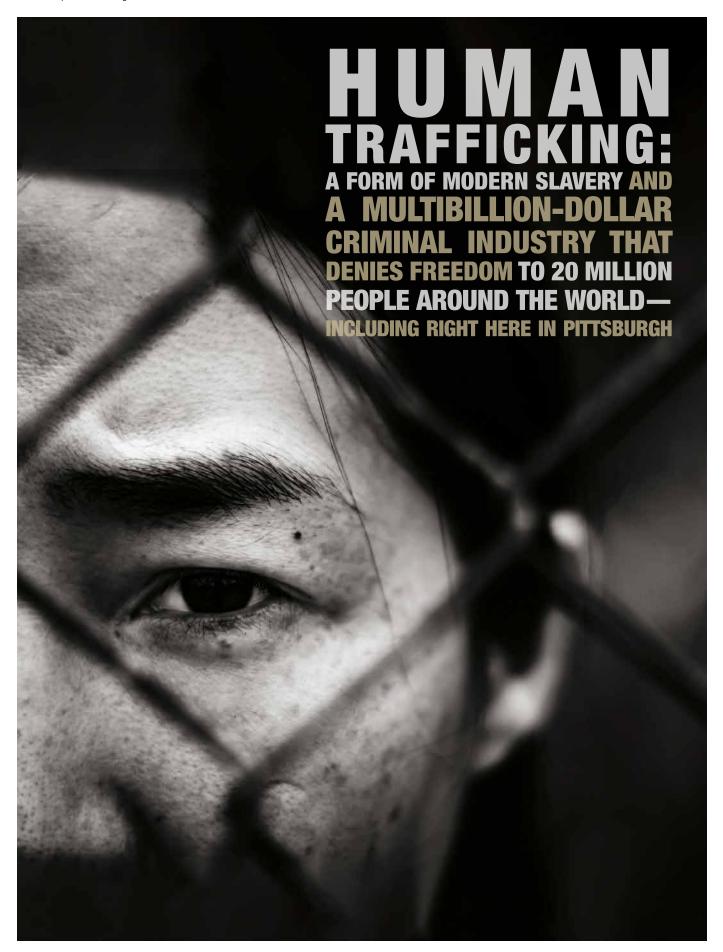
Dick Thornburgh, former governor of Pennsylvania, former attorney general of the United States, and former under-secretary-general of the United Nations

Affiliations are provided for identification purposes. Commission Members serve in their personal capacities.

Staff

Christopher Deluzio, policy director, University of Pittsburgh Institute for Cyber Law, Policy, and Security

Beth Schwanke, executive director, University of Pittsburgh Institute for Cyber Law, Policy, and Security



Hacking4Humanity

Pitt Cyber, the University of
Pittsburgh School of Computing and
Information, and the University of
Pittsburgh Graduate School of Public
and International Affairs' (GSPIA)
Ford Institute for Human Security
hosted a new kind of hackathon—
an intentionally transdisciplinary
hackathon.

In 2019, we called on Pitt and other area students to create technologies to help prevent human trafficking. Inspired by challenge scenarios developed by GSPIA students, participants created technologies ranging from platforms for smart contracts to prevent labor trafficking to interactive games to educate teens about potential trafficking risks.



Pitt Cyber is grateful for the expertise of its partners, Allegheny County Department of Human Services and Pittsburgh Action Against Rape, as well as for our generous sponsors.

Gold Sponsors

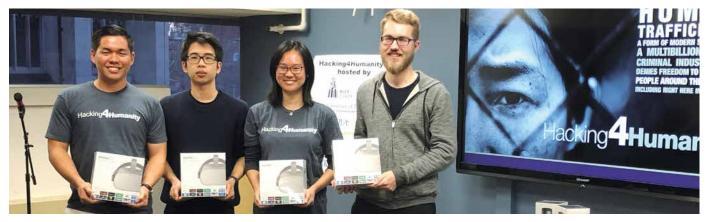
PNC Deloitte

Silver Sponsors

IBM

Bronze Sponsors

SDLC Partners SIG Susquehanna
CyLumena PPG
BNY Mellon Google
NetApp
Dick's Sporting
Goods



Hacking4Humanity 2019 Winners

Above: First place: Lokidor: a

multi-system device to help prevent trafficking of children and raise

awareness: Gaoxiang Chen, Pitt, information science; Shenghui Yang, Pitt, information science; Deng Pan, Pitt, information science;

and Yaxin Zhai, Pitt, accounting

Right: Second place Clean Wages: Blockchain to Block Chains: Joshua Ackerman, CMU, mathematics & computer science; Rui Yuan Shum, CMU, computer science; Brandon Pek, CMU, computer science; and Michelle Cong, CMU, economics and business administration



Air Force Association CyberPatriot Camp

Pitt Cyber hosted its third annual Air Force Association Cyber Camp this past summer for 230 high school students, in partnership with Robert Morris University.

The camp is a pillar of Pitt Cyber's efforts to expand an inclusive pipeline for future technologists and is free for all students. The camp inspires students to take an interest in cybersecurity and other STEM fields. The interactive curriculum is focused on cyber ethics, systems security, and network security.

We are grateful to our sponsor, Microsoft, for its generous support.



"The camp is very good for this industry ... it gives those students exposure to an enterprise network environment of such size and such scale that they wouldn't really see anywhere else."

—Jay Graham, enterprise architect, University of Pittsburgh, and CyberCamp instructor



Research and Publications

Pitt Cyber Accelerator Grants (PCAG)

Pitt Cyber launched its PCAG program in 2018 to provide initial funding for novel and innovative projects that advance Pitt Cyber's mission: to bring the breadth of one of the world's leading public research universities to bear on the critical questions of networks, data, and algorithms, with a focus on the ever-changing gaps among law, policy, and technology.

PCAG funding is used to advance projects that establish and extend key intellectual infrastructures, such as research and teaching in methods with broad application and utility across disciplines, and projects that bring together researchers, teachers, and/or students across fields of interest.



2019 PCAG Recipients

Social Weather Service: A Cyber-enabled Forecasting of Social Unrest and Conflicts

Vladimir Zadoronzny, professor, School of Computing and Information;

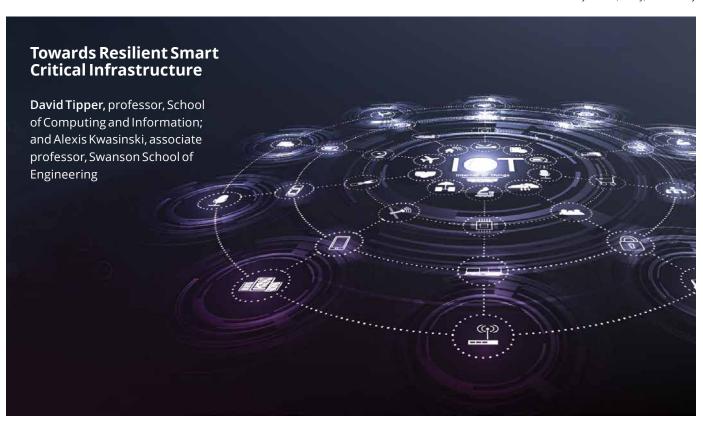
Panos

Chrysanthis, professor of computer science, School of Computing and Information; Michael Colaresi, William S. Dietrich II Chair of Political Science, Kenneth P. Dietrich School of Arts and Sciences; and Patrick Manning, Andrew Mellon Professor of World History emeritus, Kenneth P. Dietrich School of Arts and Sciences

Artificial Intelligence and the Law

Kevin Ashley, professor, School of Law, and **Jaromir Savelka**, PhD candidate, Intelligent Systems Program, School of Computing and Information







Fighting Cyberbullying: A Transformative and **Educational Game for** Promoting Empathic Understanding

Rosta Farzan, associate professor; Dmitriy Babichenko, professor of practice; and Zak Risha, School of Computing and Information

Spotlight on Ongoing Research

Cyberbullying Prevention

Thanks to the support of AT&T, Pitt
Cyber Affiliate Scholars Lisa Nelson
from the Graduate School of Public
and International Affairs, Rosta
Farzan from the School of Computing
and Information, Mary Ohmer from
the School of Social Work, and Ana
Radovic from the School of Medicine
are developing a program focused
on cyberbullying prevention and
intervention in early adolescence.

Affiliate Scholar Research and Publications

Pitt Cyber's staff and affiliate scholars continue to publish widely. Selected publications include:

"A Framework for Election Vendor Oversight"

November 2019 | Lawrence Norden, Brennan Center for Justice; **Christopher Deluzio**, Pitt Cyber; Gowri Ramachandran, Brennan Center for Justice

"Pennsylvania Counties' New Voting Systems: An Analysis" August 2019 | Christopher Deluzio, Pitt Cyber; and Kevin Skoglund, Citizens for Better Elections

"Defending Elections: Federal Funding Needs for State Election Security"

July 2019 | Christopher Deluzio, Pitt Cyber; Liz Howard, Brennan Center for Justice; Paul Rosenzweig, R Street Institute; David Salvo, Alliance for Securing Democracy; Rachael Dean Wilson, Alliance for Securing Democracy



"The Blue Ribbon Commission on Pennsylvania's Election Security Study and Recommendations" January 2019 | The Blue Ribbon Commission on Pennsylvania's Election Security

"Role of Moderators on Engagement of Adolescents With Depression or Anxiety in a Social Media Intervention: Content Analysis of Web-Based Interactions" September 2019 | Carolyn Windler, Maeve Clair, Cassandra Long, Leah Boyle, and Ana Radovic - JMIR Publications "The Twilight of Automation"
February 2019 | Mario Khreiche - Fast
Capitalism

"F*cking With the Magic"
January 2019 | Michael J. Madison Technology Law Jotwell

"The Cinderella Complex: Word Embeddings Reveal Gender Stereotypes in Movies and Books" October 2019 | Huimin Xu, Zhang Zhang, Lingfei Wu, Cheng-Jun WangarXiv Cornell Library



Education

Cyber-related course offerings throughout the University of Pittsburgh continued to expand in 2019. Courses offered by affiliate scholars included:

Affiliate Scholar Lisa Nelson taught Ethics and Policy in Cyber Space at the Graduate School of Public and International Affairs, teaching students to consider the impact of emerging technologies within existing constitutional, statutory, and international guidelines and exploring a range of policy solutions for managing the use of personal information in our public and private sectors.

Affiliate Scholar James Joshi taught Information Security and Privacy. The course covered fundamental issues and first principles of security and information

assurance. It addressed security policies, models, and mechanisms related to confidentiality, integrity, authentication, identification, and availability issues related to information and information systems. Students studied basics of cryptography such as key management and digital signatures; and network security such as PKI, IPsec, intrusion detection and prevention. The course also addressed risk management, security assurance and secure design principles; and issues such as organizational security policy, legal and ethical issues in security, standards and methodologies for security evaluation and certification.

Affiliate Scholars **Dan Cole** and **William Clark** taught **Hacking for Energy.** The course taught students how to build products and services using lean methods by solving realworld energy industry problems.

The course used the lean launchpad platform for entrepreneurship.
Affiliate Scholar Annette Vee taught Digital Humanity. The course prepared students to critically examine the intersections between digital devices and human life. Covering topics such as the relationship between computers and humans, surveillance, big data, and interactivity and games, students were asked to question what it means to be human in a space of pervasive digitality.

Spotlight on the New Graduate Certificate in Cybersecurity, Law, and Policy

The University's School of Computing and Information, Graduate School of Public and International Affairs, and School of Law now offer a graduate certificate in Cybersecurity, Law, and Policy.

Events

Pitt Cyber was pleased to host a range of events with University partners across campus in 2019.



Air Force Space Command

Lieutenant General David Thompson, vice commander of Air Force Space Command, visited Pitt to discuss Air Force space missions, integrating space policy, stewardship of space, and partnerships in the space domain. The event was cohosted by Pitt Cyber; AFROTC Detachment 730; GSPIA's Matthew B. Ridgway Center; the Swanson School of Engineering; the Center for Space, High-Performance, and Resilient Computing; the School of Computing and Information; the Center for Military Medicine Research; and the World Affairs Council of Pittsburgh.

Do You Trust This Computer Screening

Award-winning director Chris Paine joined Pitt Cyber for a screening of his documentary, "Do You Trust This Computer?." Affiliate Scholars Adam Lee, Michael Madison, and Annette Vee joined Paine for a discussion on ethics and the impact of artificial intelligence today and in the future.

Cyberbullying: Intervention and Prevention

Pitt Cyber, AT&T, and UPMC Children's Hospital of Pittsburgh were joined by national cyberbullying expert Dr. Ellen Selkie and experts from Carnegie Mellon University and Pittsburgh Public Schools for a discussion on cyberbullying. The experts covered how to identify, prevent, and intervene in cases of cyberbullying in middle and high school aged students.

The EU Perspective on Regulating Online Platforms featuring Folkert Wilman

Cybersecurity, Geopolitics, and the Future of Technological Competition

featuring Adam Segal

Industry of Anonymity: Inside the Business of Cybercrime featuring Jonathan Lusthaus

Cybersecurity Seminar Series hosted by LERSAIS and Pitt Cyber

Selected Speaking Engagements

Pitt Cyber continued its active presence at the University of Pittsburgh and well beyond campus. Here are a few selected engagements from 2019:

Washington Post Live Cybersecurity
Summit: David Hickton, speaker
International Cyber Risk Management
Conference: David Hickton,
keynote speaker, interviewed by
BNN Bloomberg's Amber Kanwar
NS2 Now Security and Innovation
Summit: Kiersten Todt, speaker
Intellectual Property Institute:
David Hickton, keynote speaker
League of Women Voters
Pennsylvania State Convention:
Chris Deluzio, speaker
Pennsylvania County Election Officials
Conference: Chris Deluzio,

Testimony before Allegheny County
Board of Elections: **Chris Deluzio**Testimony before Allegheny County
Board of Elections: **Beth Schwanke**Testimony before Pennsylvania
Senate State Government
Committee: **Chris Deluzio**

Selected Media

Coverage of Pitt Cyber and affiliate scholars' work in 2019 has included:

Alleged Russian Hacker Behind \$100 Million Evil Corp Indicted | WIRED Voting-Machine Upgrade Stirs a Partisan Clash in Pennsylvania | The Wall Street Journal

County Resists Pennsylvania's Push for New Voting Machines |

Associated Press

Elections Board Appears Likely to Pick ES&S Voting Machines for Use Beginning in 2020 I Pittsburgh

Post-Gazette

Study Finds Huge Difference in
Cost of New Voting Machines for
Pennsylvania Counties | Trib Live
Logged In | Pitt Magazine
"We Are Being Eaten Alive From
Within: Why American is Losing the
Battle Against White Nationalist
Terrorism" | TIME



After Robert Mueller's Warning,
a Broad Agreement on Election
Threats but Not On What to Do about
Them | USA Today
Summer Camp Aims to Net Future
Cybersecurity Professionals, As Jobs
Go Unfilled | 90.5 WESA
Surveying Election Security Needs |
Politico Morning Cybersecurity
States Don't Have Enough Money to
Secure the 2020 Election, New Report
Warns | The Washington Post
Cybersecurity 202

Huawei's Yearslong Rise is Littered With Accusations of Theft and Dubious Ethics | Wall Street Journal The Growing Partnership Between Russia's Government and Cybercriminals | CBS News 60 Minutes

Robert Mueller Showed How U.S.
Elections Broke in 2016. Here's How
to Fix Them | TIME
No Digital Solution at Present to Curb
Election Interference | BNN
Bloomberg

In Some States, Sexting Could Land Teens in Jail for a Long Time | Reuters Thousands of Identities, Personal Information Published in FBI-Related Hack | NBC News

'National Security Threat' As Chinese Hackers Are 'Allowed' to Target US Businesses | Forbes

As China Hacked, U.S. Businesses
Turned A Blind Eye | NPR All Things
Considered

Trump DOJ Indicts WikiLeaks
Founder Assange | MSNBCThe Beat
with Ari Melber

Pennsylvania Dedicates Cash to Election Security, but Does it Need More Fast? | Politico

Additional coverage by:

Bloomberg, Public Source, KDKA, WTAE, WPXI, PennLive, Pennsylvania Capital Star, Tribune Democrat, The Hill, StateScoop, Think Progress, The Pitt News, Mother Jones, Go Erie, York Dispatch, Philadelphia Inquirer, Inside Cybersecurity, The Morning Call

Selected Op-eds

Guess Which Ballot Costs Less and is More Secure? Paper or Electronic? | PennLive by Chris Deluzio and Kevin Skoglund

Don't Nickel & Dime Pennsylvania's

Democracy | The Pittsburgh

Tribune-Review by David Hickton

A Call for Action: Now is the Time to Secure Pennsylvania's Elections | PennLive by David Hickton and Paul McNulty

Four Cybersecurity Priorities for Congress to Confront Active Threats | The Hill by David Hickton and Kiersten Todt

With Gratitude

Pitt Cyber is a truly University-wide effort. We are grateful for collaborations from across the University. Pitt Cyber owes a particular debt of gratitude to the Office of the Chancellor, Office of the Provost, Office of University Counsel, Pitt IT, and the School of Law. We also are grateful for the constant support of the Office of University Communications and Marketing and the Division of Philanthropic and Alumni Engagement.

Institute Staff

David Hickton, founding director; professor of law

Beth Schwanke, executive director

- Michael Colaresi, research and academic director; William S. Dietrich II Chair of Political Science Christopher Deluzio, policy director Kiersten Todt, resident scholar Sarah Barca, administrative director
- Kate Ulreich, IT consultant, with thanks to the generosity of Pitt IT Breanna McVay, intern, with thanks to the generosity of the David Berg Center for Ethics and Leadership at Pitt Business

Affiliate Scholars

Pitt Cyber's Affiliate Scholars are faculty members from across the University.

- **Kevin C. Abbott,** adjunct professor of law, School of Law
- **Kevin D. Ashley,** professor of law, School of Law
- Amy Babay, assistant professor, School of Computing and Information
- **Dmitriy Babichenko**, clinical associate professor, School of Computing and Information
- **Elena A. Baylis,** professor of law, School of Law
- **Mostafa Bedewy**, assistant professor, Swanson School of Engineering
- Ronald A. Brand, Mark A. Nordenberg University Professor and John E. Murray Faculty Scholar, and academic director, Center for International Legal Education, School of Law
- **Matt Burton**, lecturer, School of Computing and Information
- Bruce R. Childers, associate dean for strategic initiatives; professor of computer science, School of Computing and Information

- William W. Clark, professor, Swanson School of Engineering
- **Paul Cohen,** founding dean and professor, School of Computing and Information
- Michael Colaresi, William S.
 Dietrich II Chair of Political Science,
 Department of Political Science
- Dan Cole, associate professor and director of Stephen R. Tritch Nuclear Engineering Program, Swanson School of Engineering
- Mary Crossley, professor of law, School of Law
- **Stephanie Dangel**, executive director, Innovation Practice Institute
- **Lindsey French**, visiting assistant professor, Kenneth P. Dietrich School of Arts and Sciences
- **Wei Gao**, associate professor, Swanson School of Engineering
- Alan D. George, electrical and chemical engineering department chair and R&H Mickle Endowed Chair; NSF SHREC Center director, Swanson School of Engineering
- **Michael Goodhart,** professor, Kenneth P. Dietrich School of Arts and Sciences
- **Joel M. Haight,** associate professor of industrial engineering, Swanson School of Engineering
- David A. Harris, John E. Murray Faculty Scholar, professor of law, School of Law
- **Jingtong Hu,** assistant professor, Swanson School of Engineering
- M. Zia Hydari, assistant professor, Pitt Business
- Alex Jones, professor; associate director, NSF SHREC Center, Swanson School of Engineering
- **Kate Joranson**, head librarian, University Library System
- **James Joshi,** professor, School of Computing and Information

- Michael Kenney, associate professor, program director of international affairs, Graduate School of Public and International Affairs
- **Prashant Krishnamurthy,** professor, School of Computing and Information
- **Howard A. Kuhn,** adjunct professor, Swanson School of Engineering
- John R. Lange, assistant professor, School of Computing and Information
- Alison Langmead, clinical associate professor, Department of History of Art and Architecture, Kenneth P. Dietrich School of Arts and Sciences; director, Visual Media Workshop; associate professor, School of Information Sciences
- Adam J. Lee, associate dean, associate professor, School of Computing and Information
- **Stephen Lee**, assistant professor of computing and information
- **Sera Linardi**, assistant professor, Graduate School of Public and International Affairs
- Michael J. Madison, faculty director of Innovation Practice Institute, professor of law, School of Law
- **Daniel Mosse,** professor, School of Computing and Information
- **Audrey J. Murrell,** associate dean; director, David Berg Center for Ethics and Leadership, Pitt Business
- **Lisa S. Nelson,** associate professor, Graduate School of Public and International Affairs
- Mary L. Ohmer, associate professor, School of Social Work
- **Balaji Palanisamy,** professor, School of Computing and Information
- **Jennifer Petrie**, assistant director, David Berg Center for Ethics and Leadership, adjunct faculty

- **Michael Poznansky,** assistant professor, Graduate School of Public and International Affairs
- **Stephen Quigley,** visiting lecturer, Kenneth P. Dietrich School of Arts and Sciences
- **Ana Radovic,** assistant professor of pediatrics, School of Medicine
- **Gregory Reed**, director, Center for Energy and Energy Grid Institute, Swanson School of Engineering
- **Julia M. Santucci,** senior lecturer and director, Graduate School of Public and International Affairs
- Jonathan Silverstein, chief research informatics officer, Department of Biomedical Informatics; visiting professor, biomedical informatics
- **David Tipper**, professor, School of Computing and Information
- Albert C. To, associate professor and CNG faculty fellow; director, MOST-AM Consortium; director, ANSYS Additive Manufacturing Research Laboratory, Swanson School of Engineering
- **Annette Vee,** assistant professor, Department of English
- **Götz Veser,** Nickolas DeCecco Professor, associate director, Center for Energy, Swanson School of Engineering
- **Brian Vidic,** director of partnerships, Office of Economic Partnerships
- Martin B.H. Weiss, chair, Department of Informatics and Networked Systems; professor, School of Computing and Information
- Phil Williams, professor; director, Matthew B. Ridgway Center for International Security Studies, Graduate School of Public and International Affair
- **Christopher E. Wilmer,** assistant professor, Swanson School of Engineering

- **Lingfei Wu,** assistant professor, School of Computing and Information
- Judith Chun-Hsu Yang, William Kepler Whiteford Professor, Swanson School of Engineering
- **Bo Zeng,** assistant professor, Swanson School of Engineering
- **Taieb Znati**, chair, Department of Computer Science; professor, School of Computing and Information

Affiliate Practice Scholars

Pitt Cyber's Affiliate Practice Scholars are drawn from across the industry and policy worlds.

- Lt. Col. Diana Bishop, Detachment 730 commander and professor,
 Aerospace Studies, Air Force ROTC
- Michael A. Comber, partner, Farrell & Reisinger, LLC
- Christopher A. Geary, unit chief, Cyber Initiative & Resource Fusion Unit, FBI Cyber Division
- **Bob Gradeck,** project manager, Western Pennsylvania Regional Data Center
- James T. Kitchen, counsel, Jones Day
- Martin Lindner, managing principal consultant, SecureWorks
- **Leona Mitchell,** professor of practice, School of Computing and Information
- **Keith Mularski**, advisory executive director of cybersecurity, Ernst & Young LLP
- Harvey Rishikof, director of cybersecurity, Applied Research Laboratory for Intelligence and Security, University of Maryland

New Staff Spotlight

Michael Colaresi is Pitt Cyber's new research and academic director as of July 2019. Colaresi is the William S. Dietrich II Chair of Political Science and a Pitt Cyber affiliate scholar. In his new role as Pitt Cyber's research and academic director, Colaresi will lead engagement with stakeholders in the university academic community and develop crossdisciplinary research programs with Pitt Cyber affiliate scholars.

Colaresi succeeds professor of law Michael Madison, who served the institute's first academic director, following the conclusion of Madison's appointment. Professor Madison remains a senior scholar of Pitt Cyber.

