

## **1. Executive Summary**

Interdisciplinary, entrepreneurial academic leader with a proven decade-long record of building programs, driving institutional growth, and forging strategic partnerships. As Associate Dean of the College of Liberal Arts (CLA) at Purdue University, I supported excellence in research, graduate education, online programs, and faculty affairs, while promoting CLA strengths in humanities, social sciences, and creative endeavors as key contributions to Purdue's strategic priorities in national defense, computing, business, health, AI, and interdisciplinary innovation.

### **Key Leadership Achievements**

#### **Program Innovation & Revenue Growth**

- Launched and supported interdisciplinary programs bridging liberal arts, computing, and defense, including:
  - MS in AI and MS in Data Science (Purdue-wide)
  - MS in Strategy for Defense (CLA-born, Purdue-wide, interdisciplinary, under review)
  - Strategic Defense Technologies certificate
  - AI Transformation in Defense Organizations Workshop (Executive Education Program)
  - Data & AI Storytelling program
  - Digital & Social Media Analytics
- Drove revenue growth by making CLA's online programs net income generators.

#### **Institutional Impact**

- Oversight of CLA's largest administrative portfolio: ≈250 faculty, 400+ residential graduate students, +500 online graduate students, and 10 residential graduate programs.
- Doubled annual grant submissions from \$15M to \$30M (2022–2025); achieved a record \$10M in awards in 2022 (3× increase).
- Stewardship of \$11.5M graduate education, \$4M internal research incentive, and \$2.6 million online education operational budgets; designed bridge mechanisms, proposal-prep services, and faculty incentive programs.
- Launched in collaboration with the Dean and the department heads CLA's Research Academy
- Created the ROSETTA and FORCES research initiatives.
- Automated end-to-end grants and communications workflows, streamlining operations college-wide.

#### **Strategic Partnerships & Global Engagement**

- Co-PI on Graduate Council Grant on improving graduate mentoring
- Member of the U.S. Space Force University Partnership Program; active ties with Naval Postgraduate School and Air War College.

- Built collaborations with Lockheed Martin, Rolls-Royce, and U.S. military education institutions.
- Launched graduate study-abroad program in Paris; served as Fulbright Specialist in Romania; developed collaborations in France and Greece.
- Member of Big Ten Alliance Associate Deans of Research Interest Group

### **Experiential & Competency-Based Education**

- Created and implemented a competency matrix in online graduate education based on published research
- Created the FORCES Junior Fellowships, placing undergraduates on DoD-relevant internships and industry jobs (Amazon, Rand, Space Force, etc.).
- Designed a VR Studio for immersive data storytelling and professional upskilling.
- Learning innovation and leadership roles as Discovery Park Research Fellow, Purdue Polytechnic Fellow, and Amelia Earhart Media Futures Faculty-in-Residence.

### **Personal Research & Scholarly Excellence**

- Ranked among CLA's top five research-active faculty (Academic Analytics SRI).
- Secured funding from NSF, DHS, Lockheed Martin, and Rolls-Royce.
- Author/editor of highly cited books and articles on AI in defense, cybersecurity, data storytelling, and socio-technical systems.
- Academic Editor for PLOS One.

### **Core Competencies**

Strategic Leadership • Digital Infrastructure Innovation • Institutional Growth • Research Development • Budget & Resource Stewardship • Interdisciplinary Program Innovation • Experiential and Competency-Based Learning • Industry & Defense Partnerships • Global Engagement

## **2. Academic Appointments**

2026-Present

Assistant Vice President, Partnerships: Strategic Defense Innovation, Purdue University

2025-Present

MS in Strategy for Security and Defense Technologies Academic Lead, Purdue University

2018-2026

Associate Dean of Research and Graduate Education, College of Liberal Arts, Purdue University, with Faculty Affairs pro-tempore responsibilities (2025)

2016-Present

*Professor*, Brian Lamb School for Communication, Purdue University

2008-2016

*Associate Professor*, Brian Lamb School for Communication, Purdue University

2003-2008

*Assistant Professor*, Department of Communication, Purdue University

2001-2003

*Assistant Professor*, School of Telecommunication, University of Kentucky

### **3. Education**

1996-2001

PhD, Communication Research – University of Southern California

1993-1994

MA, International Relations – Tufts University

1985 – 1991

BA, History and Philosophy – Bucharest University

### **4. Awards and Honors**

- 2018 Top faculty paper, 69<sup>th</sup> Annual Conference of the International Communication Association,  
Environmental Communication Division
- 2018 Amelia Earhart Media Futures Faculty in Residence
- 2015 First Place, Northwestern University Computational Social Science Data Analysis Competition – Team members Sorin Adam Matei, Alex Synaiev, Kenny Joseph
- 2014 Purdue Polytechnic Institute Fellow
- 2013 Discovery Park Research Fellow
- 2013 Fulbright Specialist, Serbia
- 2009 Entrepreneurial Academic Fellowship, Purdue University
- 2002 University of Kentucky, College of Communication Faculty Research Award
- 2002 University of Kentucky Summer Faculty Research Fellowship  
Top four faculty paper, 51<sup>st</sup> Annual Conference of the International Communication Association, Mass Communication Division
- 2001 Top three paper, Theory and Methodology Division, AEJMC (Association of Education Journalism and Media Convention).
- Top six student presentation, UCGIS (University Consortium for Geographic Information)

- 2000  
 Science) Summer Assembly
- 2000 Top three paper, Western States Communication Association Annual Conference
- 1997 Best graduate student paper, Annenberg School, University of Southern California
- 1997 Outstanding student paper, Rochester Institute of Technology Conference:  
 “Communication, Technology, and Cultural Values”
- 1993 Fletcher School A. P. Vandoros Fellowship
- 1992 Soros Foundation Scholarship
- 1991 Cuvintul Magazine Journalism Award

## 5. Grants

### Extramural funding

2023-25 – *Disruptive Technologies Discovery Brainstorming Method*. Lockheed Martin. Co-PI, Funding duration: 2023-2025. Continuing funding totaling over \$100,000.

2022 – *Tech Diplomacy: Developing a Training Game for Technology Strategists*. Center for Diplomacy and Strategy. \$37,000. PI: Sorin Adam Matei. Funding Duration 2022.

2021 - *EAGER: SaTC-EDU: Artificial Intelligence and Cybersecurity Research and Education at Scale*. NSF Award 2038483. \$297,719. PI: Elisa Bertino. Co-PI: Sorin Adam Matei. Funding duration 2020-2022.

2021 – Developing an Effective “Systems Thinking” Evaluation Tool for Rolls Royce Job Candidates. Rolls Royce Industrial Grant. \$43,000. Funding duration 2021-2022.

2021 - Council of Graduate Schools. The Development and Improvement of Programs that directly Impact Humanities PhD Students. Sub-Award Mellon Foundation \$48,000.00. Member of the Leadership Team.

2020 - Council of Graduate Schools. Career Pathways: Data Collection for Humanities. SubAward Mellon Foundation \$15,000. PI: Melanie Morgan. Personnel: Sorin Adam Matei. Project duration: 2021-2022.

2021 - Productive Online Teamwork Engagement Through Intelligent Mediation. NSF Award 2113991. PI: Alejandra Magana Senior Personnel: Sorin Adam Matei. \$850,000. Funding duration 2021-2024.

2020 - Humanities Without Walls. Reciprocity and Redistribution. Member of university consortium awarded \$5 million dollars by the Mellon Foundation. Direct sub-award amount \$20,000. Project duration 2020-2022.

2019 – *Partnering for Prosocial Digital Campaigns: A Student Exchange and Faculty Collaboration*. Nexo Global Innovation Fund Competition for Creative and Cultural Industries. A U.S. Department of State and Colombian Department of Science, Technology, and Innovation program. \$82,000 including cost-share. PI: Andres Forero Serna. Co-PIs: Sorin Adam Matei and Jessica Eise. Funding duration 2019-2020.

2018 – *Eunomia: User-oriented, secure, trustful & decentralised social media European Commission 2020 program*. Consortial Grant of 10-member organizations. Member of the Steering Committee, Computational Social Science Officer. Funding duration 2018-2021. Named project officer in consortial organization. \$3,300,000 (2.9 million euro).

2016 - *BD Spokes: Planning-Midwest: Cyberinfrastructure to enhance data quality and support reproducible results in sensor originated big data*. NSF Award 1636891., \$99,938.00. PI: Elisa Bertino. Co-PI: Sorin Adam Matei. Funding duration 2016-2017.

2015 - *Privacy in the Infosphere: Developing ethical guidelines for managing big data in research*. NSF Award 1502325, \$49,221. PI: Jeffrey Collmann (20%). Co-PIs: Sorin Adam Matei 20% (Purdue), Michael Steinmann 20% (Stevens Institute of Technology), Kevin FitzGerald 20%, Rochelle Trachtenberg 20% (Georgetown). Funding duration January 1 – December 31, 2015

2015 - *Equitable water policy decisions using big data - Mellon grand challenge exploratory award*. Mellon Foundation, \$71,000. PI: Kartik Aryiur (20%). Co-PI: Sorin Adam Matei (20%), Venkatesh Mewarde (20%), Nicole Kong (20%), Valeria Chapman (20%). Funding duration 01/2015 – 12/2015

2015 - *Modeling and visualizing risk sensitive behavior in emergency situations*. Sub-awarded by VACCINE: Visual Analytics for Command, Control, Interoperability, National Security and Emergencies center. U.S. Department of Homeland Security. PI: Sorin Adam Matei (100%). \$30,000. Funding duration 7/1/2014-6/30/2015

2013 - *KredibleNet – Building a research community and proposing a research agenda for the study and modeling of reputation and authority across informal knowledge*. National Science Foundation. PI. Sorin Adam Matei (40%). Collaboration with: Elisa Bertino (30%), Liu Chuanhai (15%), and Michael Zhu Yu (15%). \$179,594. Funding duration 2/1/2013-5/31/2014

2013 - *Fulbright specialist grant*, \$5000. Awarded by the Fulbright Commission. PI: Sorin Adam Matei (100%). Funding duration 09/07/2013 – 09/21/2013

2007 - *A Purdue university wide approach to catalyzing entrepreneurship*. Ewing Marion Kauffman Foundation. PI: Sorin Adam Matei (100%). This was a subgrant that was defined by me under the umbrella of the Entrepreneurship Leadership Academy Fellowship. The Marion Kauffman Foundation provided the funding and graduate support, the execution was mine. \$5000. Funding duration 1/24/2007-6/30-2013

2004 - *Research on usability of a “next generation” multimedia mobile device*. Motorola Corporation Award, Grant Amount: \$8000. Funds facilitated under Catherine Rosenberg’s leadership. Research executed in collaboration with Barrett Caldwell (division of effort and money 50% - 50%). Funding duration May 2004 – December 2004

2002 - *The impact of perceptions of space and media use on the civic wellbeing in the context of small-scale urban areas*. Kettering Foundation. \$25,000. PI: Sorin Adam Matei (100%). Funding duration 01/01/2002 – 12/31/2002

## a. Intramural funding

2018 – FORCES initiative. PI: Sorin Adam Matei. Continuing funding. \$60,000

2018 – Non-laboratory Core Equipment Grant. Rosetta Project (Remote Observation and Sensing Technologies and Techniques in Archaeo-Anthropology). PIs: Sorin Adam Matei, Ian Lindsay, Melba Crawford (60%, 20%, 20%). \$128,000. 05/01/2018-05/01/2019.

2017 – Enhancing Research in Digital Humanities. PIs: Sorin Adam Matei and Cole Trenton Jones (50-50%). \$29,000. 1/1/2018 – 12/1/2018.

2018 – Non-Lab Equipment Grant. PI: Sorin Adam Matei (100%). \$13,000. Funding duration: 1/1/2018 – 12/1/2018.

2018 – Innovate 3.0 Grant. PIs: Sorin Adam Matei and Nicoletta Adamo Villani (50-50%). \$15,000. 1/1/2018 – 12/1/2018.

2016 – Funding for expanding the graduate student resources. Acquired Lexis-Nexis News Desk and QDA Miner. \$5000. Funding duration 2016/2017.

2014 - *A social network analysis and entropy approach to defining and measuring the impact of social roles on social media and in science collaboration platforms*. ERSS (Exploratory Research in the Social Sciences). Awarded by OVPR/CLA. Purdue University, Vice President for Research. PI: Sorin Adam Matei (60%). Collaborators: Gerhard Klimeck (30%) and Elisa Bertino (10%). \$17,737. Funding duration 1/1/2014-12/31/2014

2012 - *Discovery Park fellowship*. Awarded by OVPR, Purdue University. \$35,000. PI: Sorin Adam Matei (100%) Funding Period 8/15/2012 – 5/01/2013

2012 - *Spaces of art. Global research synergy grant*. Awarded by the College of Liberal Arts \$23,024. PI: Catherine Dossin (30%). Co-PI: Sorin Adam Matei (20%), Chris Miller (30%), Beatrice Joyeux-Prunel (10%), Blaise Wilfert (10%). Funding Duration 01/2012 – 12/2012

2012 - *Mapping modern art. Enhancing research in the humanities and the arts grant*. Awarded by OVPR and the College of Liberal Arts, Purdue. \$27,000. PI: Catherine Dossin (40%). Co-PI: Sorin Adam Matei (15%), Chris Miller (10%), Beatrice Joyeux-Prunel (25%), Blaise Wilfert (10%). Funding Duration 01/2012 – 12/2012

2010 - *Ubitour development grant*. Awarded by the Discovery Park at Purdue University. \$5000. PI: Sorin Adam Matei, (100%). Funding Duration 01/01/2010 – 01/01/2011

2009 - *CIBER grant: Studying location aware communication*. Awarded by the Krannert Business School Ciber Center, Purdue University. \$5000. PI: Sorin Adam Matei (100%) 06/01/2008 – 07/01/2008

2009 - *Entrepreneurship Academy fellowship*. Awarded by the Discovery Park at Purdue University. \$5000, PI: Sorin Adam Matei (100%). Funding Duration 08/15/2009 – 05/01/2010

2008 - *Visible Effort. Analysis of Wikipedia collaborative process*. NSF TeraGrid computing time allocation. Award 200,000 CPU hours. PI: Sorin Adam Matei (100%). Funding duration 09/2008 – 05/2010

2008 - *Visible Effort: A monitoring methodology for improving the administration of online collaborative systems*. Awarded by the Teaching and Learning Technologies. Grant amount: \$12,390. PI: Sorin Adam Matei (100%). Funding duration 08/2008 – 12/2010

2009 - *Thought Ark: A social networking site to be used as a teaching aid at Purdue University*. Awarded by the Teaching and Learning Technologies Department. PI: Sorin Adam Matei (100%). Grant amount: \$14,390. Funding duration 08/2009-05/2010

2007 - *Discovery Learning Center seed grant*. Awarded by DLC to support programming development for Visible Past. PI: Sorin Adam Matei (100%). Grant Amount: \$2000. Funding duration 01/2007 – 05/2007

2006 - *International travel grant*. Awarded by the Purdue Research Foundation. \$1450. PI: Sorin Adam Matei (100%). Funding duration 06/01/2006 – 08/01/2006

2004 - *International travel grant*. Awarded by the Purdue Research Foundation. \$1450. PI: Sorin Adam Matei (100%). Funding duration 06/01/2004 – 08/01/2004

2004 - *Spaceaware: Research on the impact of location aware information technologies*. Awarded by the Discovery Learning Center. \$20,000. PI: Sorin Adam Matei (100%). Funding duration 08/2004 – 05/2005

2003 - *Wireless networks diffusion*. Support from the School of Liberal Arts, Purdue University and the Departments of Communication, Purdue University and University of Kentucky. \$2500. PI: Sorin Adam Matei (100%). Funding duration 01/2003 – 05/2004

## 6. Publications

### **Peer reviewed books**

Kirchubel, R. and Matei, S. A. (under contract). *Audacity vs. Friction: A Quantitative Analysis of Barbarossa's Operational Failure*. Oklahoma University Press.

Matei, S. A., Rebillard, Franck, and Rochelandet, Fabrice (Eds.) (2021). *Digital and Social Media Regulation*. London, New York: Palgrave MacMillan.

Matei, S. A. and Britt, Brian, C. (2017). *Social differentiation in social media: Adhocracy, entropy, and the 1% effect*. New York: Springer Nature.

Jullien, N., Matei, S. A., and Goggins, S. (Eds.) (2017). *Big data factories: Collaborative approaches*. New York: Springer Nature.

Collmann, J. & Matei, S. A., (Eds.) (2016). *Ethical reasoning in big data: An exploratory study*. New York: Springer. New York: Springer Nature.

Matei, S. A., Russell, M., & Bertino, E., (Eds.) (2015). *Transparency in social media: Tools, methods and algorithms for mediating online interactions*. New York: Springer Nature.

Matei, S. A., & Bertino, E., (Eds.) (2014). *Roles, trust, and reputation in social media knowledge markets: Theories and methods*. New York: Springer Nature.

### **Trade books**

Matei, S. A., Dobrescu, C., and Copilaș, E. (2017). *Liberalismul: Pro și contra*. (Liberalism: pro and contra). Iași, Romania: Adenium.

Matei, S. A. (2011). *Ideii de schimb*. (Spare Ideas). Iasi, Romania: European Institute Publishing House.

Matei, S. A., & Britt, B. C. (Eds.). (2011). *Virtual sociability: From community to communitas*. Indianapolis, IN: Interacademic Press/Ideagora.

Matei, S. A. and Momescu, A. (Eds.). (2010). *Idols of the forum*. (Idolii Forului). Bucharest, Romania: Corint Publishing House.

Verne, J. (2010). *Around the world in 80 days. The Ubitour version guided by your mobile phone*. Sorin A. Matei, editor. Indianapolis, IN: Ubimark.

Matei, S. A. (2004). *Boierii minții*. (The Mind Boyars). Bucharest, Romania: Compania Publishing House.

### **Articles**

Matei, S. A. and Reed, K. (2025). Balancing Information Asymmetry in Mission Command with AI-Driven Data Management. *The US Army War College Quarterly: Parameters*, 55, no. 4, <https://doi.org/10.55540/0031-1723.3370> .

Matei, S. A. (2025). Disinformation as Ground-Shifting in Great-Power Competition. *The US Army War College Quarterly: Parameters*, 55, no. 3. <https://doi.org/10.55540/0031-1723.3357> .

Matei, S. A., Jackson, D., & Bertino, E. (2024). Ethical reasoning in artificial intelligence: A cybersecurity perspective. *The Information Society*, 1–13. <https://doi.org/10.1080/01972243.2024.2429060>

Matei, S. A. and Witt, B. (2023). Mission Modeling for Commanders: Improved Operational Effectiveness through the Use of Measurable Proxy Variables. *Military Review*. March-April.

Matei, S. A., Benson, D., & Graves, K. (2023). What Should a Strategist Know and Do, and Why. *Military Strategy Magazine*, 8(4), 39–45.

Graves, K., Scott, H., Black, M., Floyd, K. H., Lucier-Greer, M., Matei, S. A., & Thornton, K. (2023). Future Hunters elective at the Command and General Staff Officer College: Exposing emerging leaders to the power of strategic foresight. *Journal of Homeland Security Education*, 16, 1–11. [https://jsire.org/wp-content/uploads/sites/661/2023/05/V16\\_13-graves-et-al\\_-1.pdf](https://jsire.org/wp-content/uploads/sites/661/2023/05/V16_13-graves-et-al_-1.pdf)

Shin Y-H, Shin S-Y, Rastiveis H, Cheng Y-T, Zhou T, Liu J, Zhao C, Varinlioğlu G, Rauh NK, Matei SA, Habib A. (2023). UAV-Based Remote Sensing for Detection and Visualization of Partially-Exposed Underground Structures in Complex Archaeological Sites. *Remote Sensing*. 15(7):1876. <https://doi.org/10.3390/rs15071876>

Kirchubel, R. and Matei, S. A. (2022). Blunting Barbarossa's Spear: Analyzing Army Group Center's Officer Losses during the Campaign's First Half. *The Journal of Slavic Military Studies*. [online first]. <https://doi.org/10.1080/13518046.2022.2040838>

Matei, S. A. and Ishinabe, N. (2022). Can international trade actually breed conflict? *The National Interest*. <https://nationalinterest.org/feature/does-international-trade-actually-breed-conflict-202822>

Matei, S., A. (2021). The first (and only) law of robotic warfare. *The Strategy Bridge*. <https://thestrategybridge.org/the-bridge/2021/11/17/the-first-and-only-law-of-roboticwarfare?rq=matei>

Matei, S. A. (2022). A Twenty-First Strategy to Counter China, Russia, and Iran. *The National Interest*. <https://nationalinterest.org/feature/twenty-first-century-strategy-counter-russia-china-and-iran-200616>

Matei, S. A. and Hunter, L. (2021). Data Storytelling is not Storytelling with Data. A framework for storytelling in science communication and data journalism. *The Information Society*, 37:5, 312-322. DOI: [10.1080/01972243.2021.1951415](https://doi.org/10.1080/01972243.2021.1951415)

Matei, S. A. and Ellis, M. (2021). China's South China Sea is All About Taiwan. *The National Interest*. <https://nationalinterest.org/blog/buzz/china%E2%80%99s-south-china-sea-strategy-all-about-taiwan-193943>

Matei, S. A., Kulzick, R., Sinclair-Chapman, V., & Potts, L. (2021). Setting the agenda in environmental crisis: Relationships between tweets, Google search trends, and newspaper coverage during the California drought. *PLOS ONE*, 16(12), e0259494. <https://doi.org/10.1371/journal.pone.0259494>

Poggie, J., Matei, S. A., & Kirchubel, R. (2020). Simulating military conflict with a continuous flow model. *Journal of the Operational Research Society*, [online], 1–12. <https://doi.org/10.1080/01605682.2020.1825017>

Hannah, M., Huber, S., & Matei, S. A. (2019). Collecting Virtual and Augmented Reality in the Twenty-First Century Library. *Collection Management*, 44(2–4), 277–295. <https://doi.org/10.1080/01462679.2019.1587673>

Matei, S. A., & Bertino, E. (2019). Can N-Version Decision-Making Prevent the Rebirth of HAL 9000 in Military Camo? Using a "Golden Rule" Threshold to Prevent AI Mission Individuation. In S. Calo, E. Bertino, & D. Verma (Eds.), *Policy-Based Autonomic Data Governance* (pp. 69–81). [https://doi.org/10.1007/978-3-030-17277-0\\_4](https://doi.org/10.1007/978-3-030-17277-0_4)

Matei, S. A., Kee Kerk F. (2019) Computational communication research. *WIREs Data Mining Knowledge Discovery*, 2019. <https://doi.org/10.1002/widm.1304>

Matei, S. A., Abu Jabal, A., & Bertino, E. (2018). Social-collaborative determinants of content quality in online knowledge production systems: comparing Wikipedia and Stack Overflow. *Social Network Analysis and Mining*, 8(1), 36. <https://doi.org/10.1007/s13278-018-0512-3>

Paul, P. P., Sultana, M., Matei, S. A., & Gavrilova, M. (2018). Authorship disambiguation in a collaborative editing environment. *Computers & Security*. <https://doi.org/10.1016/j.cose.2018.01.010>

- Matei, S. A., Jabal, A. A., & Bertino, E. (2017). Do Sticky Elites Produce Online Knowledge of Higher Quality? In *Proceedings of the 2017 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining 2017* (pp. 72–79). New York, NY, USA: ACM. <https://doi.org/10.1145/3110025.3110040>
- Brunswicker, S., Matei, S. A., Zentner, M., Zentner, L., & Klimeck, G. (2016). Creating impact in the digital space: digital practice dependency in communities of digital scientific innovations. *Scientometrics*, 1–26. <http://doi.org/10.1007/s11192-016-2106-z>
- Kong, N., Li, Q., Sangwan, N., Kulzick, R., Matei, S., & Ariyur, K. (2016). An Interdisciplinary Approach for a Water Sustainability Study. *Papers in Applied Geography*, 2(2), 189–200. <http://doi.org/10.1080/23754931.2015.1116106>
- Brunswicker, S., Bertino, E., & Matei, S.A. (2015). Big data for open digital innovation: A research roadmap. *Big Data Research*, 2(2), 53-58. doi:10.1016/j.bdr.2015.01.008
- Matei, S. A., & Bruno, R. J. (2015). Pareto’s 80/20 law and social differentiation: A social entropy perspective. *Public Relations Review*, 41(2), 178-186. doi:10.1016/j.pubrev.2014.11.006
- Matei, S. A. (2014). Good and bad neighborhoods, perception, and reality. *Hypothesis*, 1(1), 66-89.
- Matei, S. A., Kansa, E., & Rauh, N. (2014). A new approach to reporting archaeological surveys: connecting Rough Cilicia, Visible Past and Open Context through loose coupling and 3d codes. *Journal of Digital Humanities and Data Mining*, n.p. (online). oai:arXiv.org:1402.2003
- Joyeux-Prunel, B., Dossin, C., & Matei, S. A. (2013). Spatial (digital) history: A total art history? The Artl@s Project. *Visual Resources*, 29(1-2), 47–58. doi:10.1080/01973762.2013.761119
- Matei, S. A., Kansa, E. & Rauh, N. (2011). The visible past/Open context loosely coupled model for digital humanities ubiquitous collaboration and publishing: Collaborating across print, mobile, and online media. *Spaces and Flows: An International Journal of Urban and ExtraUrban Studies*, 1(3), 33-48.
- Dobrescu, C. & Matei, S. A. (2011). Latent crusaders: narrative strategies of survival in the early modern Danubian Principalities, 1550-1750. *Journal of Global Initiatives*, 6(2), 33-50.
- Matei, S. A., & Dobrescu, C. (2011). Wikipedia’s “Neutral Point of View:” Settling conflict through ambiguity. *The Information Society*, 27, 1-12. doi:10.1080/01972243.2011.534368
- Matei, S. A., Faiola, A., Wheatley, D. J., & Altom, T. (2010). The role of physical affordances in multifunctional mobile device design. *International Journal of Information Technology and Web Engineering*, 5(4), 40-57. doi:10.4018/jitwe.2010100103
- Matei, S. A., Madsen, L., & Bruno, R. (2010). Information acquisition and recall in location-aware and search engine retrieval systems. *International Journal of Information Technology and Web Engineering*, 5(2), pp. 32-52.
- Faiola, A., & Matei, S. A. (2010). Enhancing human–computer interaction design education: Teaching affordance design for emerging mobile devices. *International Journal of Technology and Design Education*, 20, 239-254.

Matei, S. A. (2009). Visible Past: A location and attention aware learning and discovery environment for digital humanities. *International Journal of Humanities and Arts Computing*, 3, 163-174.

Matei, S. A. (2009). The effect of formal and informal social capital on wireless encryption. *The Journal of Community Informatics*, 5(1), Retrieved March 30, 2010 from <http://www.ci-journal.net/index.php/ciej/article/view/356/442>

Matei, S. A., Ball-Rokeach, Sandra J., & Ungurean, S. (2007). Communication channels, spatial stereotyping, and urban conflict: A cross-scale and spatio-temporal perspective, *Journal of Dispute Resolution*, No. 1, 2007, pp. 196-203.

Matei, S. A., Miller, C. C., Arns, L., Rauh, N., Hartman, C., & Bruno, R. (2007). Visible past: Learning and discovering in real and virtual space and time. *First Monday*, 12. Retrieved from [http://www.firstmonday.org/issues/issue12\\_5/matei/index.html](http://www.firstmonday.org/issues/issue12_5/matei/index.html).

Lee, S., Monge, P., Bar, F., & Matei, S. A. (2007). The emergence of clusters in global telecommunications networks. *Journal of Communication*, 57(3), 415-434.

Matei, S. A. (2006). Globalization and heterogenization: Cultural and civilizational clustering in telecommunicative space (1989-1999). *Informatics and Telematics*, 23(4), 316-331.

Matei, S. A. & Ball-Rokeach, S. (2005). Watts, the 1965 Los Angeles riots and the communicative construction of the "fear epicenter" of Los Angeles. *Communication Monographs*, Vol. 72 (3), 301-323.

Faiola, A. & Matei, S. A. (2005). Cultural cognitive style and web design: Beyond a behavioral inquiry of computer-mediated communication. *The Journal of Computer-Mediated Communication*, 11(1). Retrieved from <http://jcmc.indiana.edu/vol11/issue1/faiola.html>.

Monge, P. & Matei, S. A. (effort shared equally) (2004). The role of the global telecommunications network in bridging economic and political divides between 1989 and 1999. *Journal of Communication*, 54(3), 511-531.

Matei, S. A. (2004) The Romanian way: From nationalism to privatism. *Problems of Post-communism*, 51(2), 40-47.

Matei, S. A. (2003) The Internet as magnifying glass: Marital status and on-line social ties. *The Public*, 10(1), 101-112.

Matei, S. A. & Ball-Rokeach, S. (2003). The Internet in the communication infrastructure of urban residential communities: Meso or macro-linkage? *Journal of Communication*, 53(4), 642-657.

Matei, S. A. & Ball-Rokeach, S. (2001). Real and virtual social ties: Connections in the everyday lives of seven ethnic neighborhoods. *American Behavioral Scientist*, 45(3), 550-563.

Matei, S. A., Ball-Rokeach, S. & Qiu, J. (2001). Fear and misperception of Los Angeles urban space: A spatial-statistical study of communication-shaped mental maps. *Communication Research*, 28(4), 429-463.

Ball-Rokeach, S., Kim, Y. C. & Matei, S. A. (2001). Storytelling neighborhood: Paths to belonging in diverse urban environments. *Communication Research*, 28(4), 392-428.

Matei, S. A., Ball-Rokeach, S., Gutierrez Hoyt, E., Wilson, M., & Gibbs, J. (2001). Metamorphosis: A multi-method research design for the study of communication technology and community. *Electronic Journal of Communication*, 11(2).

### **Selected conference papers**

Matei, S. A. (2026). Partnership models for AI in Defense Education. AI in Professional Military Education Workshop 2026: Bridging the AI Adoption Gap. Baltic Defense College. Tartu, Estonia, February 12-13.

Matei, S. A. (2026). Communication and Behavioral Styles for AI Personas. Language Rhetoric and Persuasion in Humans and Machines Workshop. University of Chicago in Paris and L'Ecole Normale Supérieure. February 6.

Kirchubel, R. and Matei, S. A. (2025). Audacity versus Friction: Evaluating Operational Autism in Operation Barbarossa. The Third Historical Analysis Annual Conference (HAAC) of the Dupuy Institute. Vienna, VA, October 8-10. <https://dupuyinstitute.org/haac-2025-fourth-historical-analysis-annual-conference-haac/>

Ho, G., Matei, S. A., Hupy, J., Kirchubel, R., (2025). New Advances in Digital Military Cartography. The Third Historical Analysis Annual Conference (HAAC) of the Dupuy Institute. Vienna, VA, October 8-10. <https://dupuyinstitute.org/haac-2025-fourth-historical-analysis-annual-conference-haac/>

Matei, S. A. and Kirchubel, R. (2024). The WW2 USAAF Strategic Bombing Campaign: Strategy and Operational Imperatives. The Third Historical Analysis Annual Conference (HAAC) of the Dupuy Institute. Vienna, VA, October 8-10. <https://dupuyinstitute.org/haac-2024-third-historical-analysis-annual-conference-haac-8-10-october-2024/>

Matei, S. A. and Kirchubel, R. (2024). Analyzing Barbarossa: By the Numbers. The Third Historical Analysis Annual Conference (HAAC) of the Dupuy Institute. Vienna, VA, October 8-10. <https://dupuyinstitute.org/haac-2024-third-historical-analysis-annual-conference-haac-8-10-october-2024/>

Matei, S. A. and Kirchubel, R. (2024). How strategic was the WWII strategic bombing campaign in North Africa and Europe? Society of Military History Annual Meeting, Arlington, VA, April 2024. <https://www.smh-hq.org/annualmeeting/info/program.html>

Matei, S. A. (2024). Data Military Science: Tools to analyze the past and the future. University of York, UK. <https://www.icms.org.uk/workshops/2024/historical-analysis-defence-and-security-symposium>

Matei, S. A. and Konkoly, Matt (2022). Omaha Beach and Beyond. A VR Battle Simulation. Society for Military History Annual Conference. Norfolk, Virginia. May 20-23.

Matei, S. A., and Ellis, Matthew (2021). De-escalation of the South China Sea Conflict: A techno-strategic approach. U.S. Strategic Command Academic Alliance Conference. Online. March 30.

Matei, S. A. and Bertino, E. (2018). *Can N-version Decision-Making Prevent the Rebirth of HAL 9000 in Military Camo?* PADG 2018, 2nd International Workshop on Policy-based Autonomic Data Governance. Barcelona, September 3-7, 2018.

Matei, S. A., Abu Jabal, A., Bertino, E. (2017). *Do Sticky Elites Produce Online Knowledge of Higher Quality?* IEEE/ACM ASONAM 2017. Sydney, Australia: 31 July – 3 August.

Matei, S. A., Kulzick, R., Chapman, V., and Potts, L. (2017). *Setting the Agenda in Environmental Crisis: Relationships Between Tweets, Google Search Trends, and Newspaper Coverage During the California Drought*. Paper presented at the International Communication Association Conference. San Diego, CA: May 25-29.

Matei, S. A., Wei, W., Britt, B., Zhu, M., Liu, C., & Bertino, E. (2016, June). *A Social Differentiation Perspective on Social Media Contribution Inequality: The Case of Wikipedia*. Paper presented at the International Communication Association Conference. Fukuoka, Japan: June 9-13.

Matei, S. A., Brunswicker, S., Zentner, M., Zentner, L., and Klimeck, G. (2016). *Digital Innovation in eScience: The Effect of Digital Practice on Traditional Citation-Based Scientific Recognition*. Paper presented at the International Communication Association Conference. Fukuoka, Japan: June 9-13.

Britt, B. and Matei, S. A. (2016). *The Consequences of One-Way and Two-Way Collaborative Processes in Online Knowledge-Construction Systems*. Paper presented at the International Communication Association Conference. Fukuoka, Japan: June 9-13.

Paul, P. P., Sultana, M., Matei, S. A., & Gavrilova, M. (2015). *Editing Behavior to Recognize Authors of Crowdsourced Content*. In 2015 IEEE International Conference on Systems, Man, and Cybernetics (pp. 1676–1681). <https://doi.org/10.1109/SMC.2015.295>

Wei, W., Liu, C., Zhu, M. Y., & Matei, S. A. (2015). *A Non-parametric Hidden Markov Clustering Model with Applications to Time Varying User Activity Analysis*. In 2015 IEEE 14th International Conference on Machine Learning and Applications (ICMLA) (pp. 549–554). <https://doi.org/10.1109/ICMLA.2015.200>

Matei, S.A., Bertino, E., Liu, C., Wei, W., Yu Zhu, M., Britt, B. C. (2015). *Social differentiation and online collaboration: The dynamics of elite emergence on Wikipedia*. Paper presented at the National Communication Association Annual Convention. Las Vegas, NV: November 19-22.

Sidnam, E. and Matei, S. A. (2015). *Accessing Information and Social Capital on Facebook: A Theoretical Investigation of an Accelerated Knowledge Gap Model*. Social differentiation and online collaboration: The dynamics of elite emergence on Wikipedia. National Communication Association Annual Convention. Las Vegas, NV: November 19-22.

Matei, S. A., Wei, W., Britt, B., Zhu, M., Liu, C., & Bertino, E. (2015, May). *Leadership resilience and structural differentiation in social media spaces: A socio-computational analysis*. Paper presented at the Computational Social Science Summit, Evanston, IL.

Evans, J.J., Matei, S. A., Van Epps, A., Esteban, G. & Smith, M. (2015, September). *An assessment architecture for competency-based learning: Version 1.0*. Paper presented at the Frontiers in Education Conference, El Paso, TX.

Matei, S. A. (2014, September). *Digital humanities publishing and collaboration strategies and frameworks*. Paper presented at the EAGLE (The Europeana network of Ancient Greek and Latin Epigraphy) Conference, Paris, France.

Barton, A., Kansa, E., Matei, S. A. (2014, February). *Purdue university research repository: Supplying the downstream digital humanities pipeline*. Paper presented at the 9th International Digital Curation Conference, San Francisco, CA.

Matei, S. A., Tan, W., Zhu, M., Bertino, E., & Liu C. (2014, May). *Elite size and resilience impact on global system structuration*. Paper presented at the the 2014 International Conference on Collaboration Technologies and Systems (CTS 2014), Minneapolis, MN.

Matei, S. A., Comunelo, F., Parisi, F., & Vibber, K. (2013, November). *Alterpode: Where we think things are and what influences those beliefs*. Paper presented at the Annual Meeting of the National Communication Association, Washington, DC.

Matei, S. A., & Dobrescu, C. (2012, July). *Latent crusaders: The Gnostic imprint on two elite and counter-elite communist cultures*. Paper presented at the Society of Romanian Studies Conference, Sibiu, Romania.

Matei, S., Rauh, N., & Kansa, E. (2012, May). *A new approach to reporting archaeological surveys: Connecting Rough Cilicia, Visible Past and Open Context through loose coupling and 3d codes*. Paper presented at the 2012 Conference of the Association of Ancient Historians, Chapel Hill, NC.

Dossin, C., & Matei, S. A. (2012, June). *Mapping the reception of American art in postwar Western Europe*. Paper presented at the Artlas Symposium. L'Ecole Normale Supérieure et l'Agence Nationale pour la Recherche. Paris, France.

Matei, S. A., Britt, B., Kisselburgh, L., Lee, S., Rajan, P., & Braun, D. (2011, May). *Visible Symbiosis: A research agenda for social media collaborative research*. Paper presented at the Annual Conference of the International Communication Association, Boston, MA.

Brian, Britt, Matei, S. A., & Braun, D. (2011, February). *Mining large-scale online communities: the development and dispersion of tools for analyzing collaborative processes and structures*. Paper presented at the Sunbelt XXXI Social Network Conference, St. Pete Beach, FL.

Lee, S., Kisselburgh, L., & Matei, SA. (2011, February). *The evolution of knowledge creation in a large-scale online community: Collaboration as a socially embedded process*. Paper presented at the Sunbelt XXXI Social Network Conference, St. Pete Beach, FL.

Matei, S. A, Kansa, E., & Rauh, N., (2010, December). *Visible Past: Collaborating across print, mobile, and online media*. Paper presented at the Spaces and Flow Conference, Los Angeles, CA.

Matei, S. A. (2010, September). *Visible Past: Intermedia geo-sensitive on demand publishing for humanities*. Paper presented at the the fourth Global Communication Forum, Shanghai, China.

Matei, S. A., Braun, D., & Petrache, H. (2009, August). *The social structure of collaboration*. Paper presented at Wikimania meeting, Buenos Aires, Argentina.

Matei, S. A. (2009, February). *Visible Past*. Paper presented at the Visualizing the Past Workshop. University of Virginia. Richmond, VA.

Matei, S. A. (2008, October). *Global perspective on Wikipedia research*. Paper presented at the American Society for Information Science and Technology Annual Meeting, Columbus, OH.

Matei, S. A. (2008, May). *Visible Past. A location aware environment*. Paper presented at the HASTAC 2 Meeting, Irvine, CA.

Matei, S. A. (2008, June). *Visible Past. A platform for learning and discovery*. Paper presented at the Global Communication Forum, Shanghai, China.

Matei, S. A., Bruno, R., & Morris, PL. (2008, September). *Social structures in wiki environments*. Paper presented at the American Society for Information Science and Technology Annual

Meeting, Columbus, OH.

Kisselburgh, L., & Matei, S. A. (2007, May). *The role of media use, social interaction, and spatial behavior in community belonging*. Paper presented at the Annual Conference of the International Communication Association, San Francisco, CA.

Matei, S. A., & Oh, K. (2006, November). *Collaboration and communication in online environments: A social entropy approach*. Paper presented at the National Communication Association Annual Meeting, San Antonio, TX.

Lee, S., Monge, P., Bar, F., & Matei, S. A. (2006, June). *The emergence of clusters in global telecommunications networks*. Paper presented at the Annual Conference of the International Communication Association, Dresden, Germany.

Matei, S. A. (2006, June). *Conceptual network structures in defining the virtual community project*. Paper presented at the Annual Conference of the International Communication Association, Dresden, Germany.

Matei, S. A., Madsen, L., Bertoline, G., Arns, L., Ren, M., & Davidson, A. (2006, June). *The cognitive impact of location-aware information systems*. Paper presented at The Annual Conference of the International Communication Association, Dresden, Germany.

Matei, S. A., Wheatley, D., & Faiola, A. (2006, June). *Multipurpose mobile devices, graphic user interfaces, and physical affordances: A case study*. Paper presented at the Annual Conference of the International Communication Association, Dresden, Germany.

Matei, S. A., Ungurean, S., & Albulet, O. (2006, June). *Networking nationalism: Cross-national communication research approaches*. Paper presented at the Annual Conference of the International Communication Association, Dresden, Germany.

Matei, S. A., & Dobrescu, C. (2006, June). *Emergence under debate: Wikipedia as a case study for the rise of ambiguity in modern knowledge production systems*. Paper presented at the Annual Conference of the International Communication Association, Dresden, Germany.

Oh, K., & Matei, S. A. (2005, October). *Online community engagement and off-line social ties: New evidence from the communities and the Pew Internet survey*. Paper presented at the Association of Internet Researchers Annual Conference, Chicago, IL.

Matei, S. A., & Hooker, J. F. (2005, October). *Wireless networks: Social capital, diffusion and encryption practices*. Paper presented at the Association of Internet Researchers Annual Conference, Chicago, IL.

Matei, S. A., Madsen, L., Bertoline, G., Arns, L., & Davidson, A. (2005, October). *Socio-spatial cognition and community identification in the context of the next generation of location-aware information systems*. Paper presented at the Association of Internet Researchers Annual Conference, Chicago, IL.

Matei, S. A. (2004, June). *The social-spatial diffusion of wireless networks in Lexington, Kentucky. A GIS/GPS research methodology*. Paper presented at the Global and the Local in Mobile Communication International Conference, Budapest, Hungary.

Matei, S. A., & John F. Hooker (2005, May). *The relationship between social capital and wireless encryption practices: A longitudinal case study*. Paper presented at the Annual Conference of the International Communication Association, New York, NY.

Matei, S. A. (2005, May). *Mass media, "desirability," and "avoidance" in a heartland town: a*

*communication infrastructure perspective*. Paper presented at the Annual Conference of the International Communication Association, New York, NY.

Matei, S. A. (2004, May). *From Counterculture to cyberculture: Virtual community discourse and the dilemma of modernity*. Paper presented at the Annual Conference of the International Communication Association, New Orleans, LA.

Matei, S. A. (2004, May). *Globalization and heterogenization: Cultural and civilizational clustering in telecommunicative space (1989-1999)*. Paper presented at the Annual Conference of the International Communication Association, New Orleans, LA.

Hooker, J. F. & Matei, S. A. (2005, March). *Wireless encryption practices: Social capital factors and diffusion of innovation*. Paper presented at the CERIAS 7th Annual Information Security Symposium, West Lafayette, IN.

Matei, S. A. (2004, March). *Social use and encryption practices on wireless (802.11) networks in Lexington, KY. A GIS/GPS research methodology*. Paper presented at the Annual CERIAS Research symposium, West Lafayette, IN.

Matei, S. A. (2003, May). *The effect of state-level social capital on emergence of virtual communities*. Paper presented at the Annual Conference of the International Communication Association, San Diego, CA.

Matei, S. A., & Ball-Rokeach, S. (2003, May). *Watts, the 1965 Los Angeles riots and the communicative construction of the "fear epicenter" of Los Angeles*. Paper presented at the Annual Conference of the International Communication Association, San Diego, CA.

Matei, S. A., Sabella, J., & Williams, D. (2002, October). *Geography and on-line community: The socio-spatial anchoring of Yahoo! Clubs*. Paper presented at the Association of Internet Researchers Annual Conference, Maastricht, Netherlands.

Matei, S. A., & Ball-Rokeach, S. (2002, August). *Ascription of "safe" and "unsafe" places: Communicative allocation of an overlooked scarce resource*. Paper presented at the American Sociological Association Annual Meeting, Chicago, IL.

Sabella, J., & Matei, S. A. (2002, April). *On-line communities and a new revenue-generating paradigm: The Yahoo! Clubs*. Paper presented at the Murray State TSM Conference, Murray, KY.

Monge, P., & Matei, S. A. (2002, February). *The role of the global telecommunications network in bridging economic and political divides between 1989 and 1999*. Paper presented at the Sunbelt Social Network Conference, New Orleans, LA.

Monge, P., & Matei, S. A. (2001, November). *The effect of globalization on the digital divide*. Paper presented at the ICA/IAMCR Symposium, Austin, TX.

Matei, S. A. (2001, October). *Paths to community belonging: Net surfer, media consumer, talker or joiner?* Paper presented at the Second International Conference of the Internet Researchers, Minneapolis, MN.

Matei, S. A., Ball-Rokeach, S., & Qiu, J. (2001, August). *Mental maps of fear and connectedness to the communication infrastructure: The case of Los Angeles*. Paper presented at the AEJMC 2001 Convention, Washington DC. **Top three paper.**

Matei, S. A. (2001, August). *Belongers belong everywhere: Connections in the everyday lives of seven ethnic neighborhoods*. Paper presented at the American Sociological Association's (ASA) 96th Annual Meeting, Anaheim, CA.

Matei, S. A., Qiu, J., & Ball-Rokeach, S. (2001, May). *Fear and misperception of Los Angeles urban space. A spatial-statistical study of communication-shaped mental maps*. Paper presented at the Annual Conference of the International Communication Association, Washington DC.

Matei, S. A. (2000, September). *Marital status, individualism and on-line groups. Does the Internet have a "magnifying glass effect"?* Paper presented at the First Conference of the Association of Internet Researchers, Lawrence, KS.

Matei, S. A., & Monge, P. (2000, June). *Economic and communication flows in an era of global democracy: Does globalization "befoul its nest"?* Paper presented at the Annual Conference of the International Communication Association, Acapulco, Mexico.

Matei, S. A. (2000, June). *GIS mapping and modeling mass media influence on perception of urban space in Los Angeles*. Paper presented at the UCGIS Summer Assembly, Mount Hood Resort, OR. **Top six graduate student paper/presentation.**

Matei, S. A. (2000, February). *Virtual community as an individualist ideology*. Paper presented at the 2000 Annual Convention of the Western States Communication Association, Sacramento, CA. **Top Three Paper.**

Matei, S. A., Sasina, K., Ginosar, T., & Townsley, N. (1999, November). *Secondary circuits in globalization of television programming*. Paper presented at the Annual Meeting of the National Communication Association, Chicago, IL.

Matei, S. A. (1997, July). *Virtual community as rhetorical vision and its American roots*. Paper presented at the Rochester Institute of Technology Communication, Technology, and Cultural Values Conference, Rochester, NY. **Outstanding Student Paper.**

Matei, S. A., & Gibbs, J. (1998, November). *Development of local/global identity analysis of personal homepages*. Paper presented at the Annual Meeting of the National Communication Association, New York, NY.

Rumsey, S., Matei, S. A., Gibbs, J, Heino, R., & Lee, B. (1997, May). *Process vs. product orientation toward strategic alliances*. Paper presented at the Annual Conference of the International Communication Association. Montreal, Canada.

### **Selected invited lectures and talks**

*AI Transformation in Defense Organizations*. US SPACECOM, Academic Enterprise. Campaign of Learning Webinar. Online. December 8, 2025.

*AI+ Careers: Professional AI Upskilling at Scale: The Purdue Online Model*. SCSP AI+ Expo. Washington, DC, May 9, 2026.

*Disrupting Innovation with AI Innovation Tech Minds*. Space Policy, Science + Technology Symposium. March 23-35. Purdue University, West Lafayette, IN.

*Academia, Industry, and the Military*. SpacePower 2025 Panel, Space Force Association. Moderator: Dr. Greg Autry, University of Central Florida / NASA. Panelists: Scott Reinfeld, Bluesta, Dr. Sorin Adam Matei, Purdue University, Dr. Thomas Griffy, USSF. Orlando, FL, December 11, 2025.

*Winning the 21<sup>st</sup> Century through Tech Diplomacy*. Krach Institute Panel. Sorin Adam Matei, Panel Moderator. Panelists: Ron Ash, CEO & Chairman, Accenture Federal Services, Rear Admiral Mike

Baker, Associate Director for Operations, National Geospatial-Intelligence Agency, Dr. Cassandra Lewis, Provost, Foreign Service Institute, U.S. Department of State, Kosei Nomura, Minister, Head of Economic Section, Embassy of Japan to the United States. SCSP AI+ Expo. Washington, DC, June 2, 2025.

*AI Transformation in Defense Organizations.* Space Force: Space Launch Delta 30. Workshop Organizer and Instructor. Vandenberg Air Base. December 13, 2024.

*Countering Foreign Malign Influence to Strengthen Peaceful International Development.* US Institute of Peace. Peacecon 2024. September 10, 2024.

*Digital Phronesis: The Practical Wisdom of Networked Lives.* Phronesis Conference, Center of Hellenic Studies, University of Chicago, March 1-2 2024.

*Taming the desire of sentient machines with the Golden Rule.* Keynote lecture at the “Desiring Machines: Robots, Mimesis, and Violence in the Age of AI”, An online meeting of the Colloquium on Violence and Religion, July 7-10, 2021, Purdue University, West Lafayette, IN.

*Science is about the story, not just about the facts.* Stanford Center for Continuing Medical Education Center. June 11, 2021. Stanford University. Palo Alto, CA.

*Network Analysis and the C-Span Video Archive.* C-Span Video Research Workshop. February 24, 2021. The C-Span Archives. West Lafayette, IN.

*The “1% Effect”: Adhocratic Rule and Content quality in online production systems.* Stepanovich Institute for the Formation of Knowledge Speaker Series. University of Chicago. Chicago, IL. October 21, 2019.

*Alterpode: Communication Biases in Plausible Reasoning about Place and Space.* Keynote address. Spatial Patterns of the Global Economy. Corvinus University. Budapest. November 5, 2019.

*The “1% Effect”: Adhocratic Rule and Content quality in online production systems.* Cornell University. Department of Communication Speaker Series. Ithaca, NY. March 13, 2019.

*The 1% Effect.* Keynote Speaker. Political Science Conference. Universitatea de Vest. Timisoara. Romania. March 22, 2018.

*Do strong leaders make strong communities?* Social Science Foo Camp, Facebook. Menlo Park, CA. February 2-4, 2018.

*Ethical Reasoning for Big Data and Data Science.* ICA / Shanghai Jiaotong University. Keynote address. November 11, 2017.

*Ethical Reasoning in Big Data.* Invited seminar speaker. National Academies of Sciences. [Online]. 2017, October 17.

*The “1% Effect”: Adhocratic Rule and Content quality in online production systems.* Northwestern University. Department of Communication Speaker Series. Chicago, IL. April 2017.

## **Participation in conference and meeting organization**

*Co-organizer and presenter. Workshop on Humanities and Computer Science Collaboration: Analyzing Data Banks of Artistic Visual Images,* College of Liberal Arts, Purdue University, September 13, 2022.

*Co-organizer and co-program director. Rosetta (Remote Sensing and Observation in Archaeology).* Co-organized with University of West Attica. Athens, Greece. June 14, 2022.

*Program Director and Organizer. FORCES Simulation Workshop.* Co-organized with the Krach Institute for Tech Diplomacy. February 25, Washington, DC.

*Program Director and Co-Organizer. Data Storytelling Shark Tank Competition.* Course and competition organized in collaboration with the Quantum Science Center and the Nanotechnology Center. May 2019, 2020, 2021.

*Program Director and Organizer. Technology, War, and Strategy Speaker Series (2019-present).* Forces initiative. Purdue University. Spring 2020.

*Program Chair and co-Organizer. Lashing or Riding the Waves: Regulating Social Media for Diversity in a Time Uncertainty.* Purdue University and University of Paris. National Press Club. Washington DC, May 2019.

*Conference Program Member, Co-PI and Organizing Committee. Privacy in the Infosphere.* Georgetown University, April 14-16, 2015.

*Keynote Speaker. Bledcom 2014.* Bled, Slovenia.

*Program committee member. Eagle Conference, 2014.* Paris, France.

*Discovery Park fellow.* This is, according to the award letter, “a major achievement.” Selection was review-based. The position came with a grant, from which the school was allocated \$20,000 and I received \$20,000 in research support.

*Series editor for the SpringerNature series Computational Social Science. SpringerNature,* which publishes the Nature journal, is a flagship publishing house in the fields of statistics, computer science, and social media research. It is one of the largest science book publishers in the world.

### **Editorships and membership in editorial boards**

1. Editor: *Plos One*. Public Library of Science.
2. Series Editor: *Computation Social Science Series*, Springer Nature
3. *Communication Research and Human Communication Research*