Ananth A. Jillepalli **Curriculum Vitae**
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Mobile: +1-208-310-4315 | Email: ajillepalli@ieee.org | Website: https://ajillepalli.github.io/
Google Scholar: https://scholar.google.com/citations?user=PuDGHYoAAAAJ || **GitHub**: https://github.com/ajillepalli
ResearchGate: https://www.researchgate.net/profile/Ananth-Jillepalli || **Meeting**: Book time to meet with me

EDUCATION:

University of Idaho (UIdaho)
- Doctor of Philosophy (Ph.D.) in Computer Science (CS), GPA: 4.0 — May 2020
- Master of Science (M.S.) in Computer Science (CS), GPA: 4.0 — May 2017

Jawaharlal Nehru Technological University (JNTU)
- Bachelor of Technology (B.Tech.) in Computer Science and Engineering (CSE), GPA: 3.75 — May 2015

CERTIFICATION:

University of Idaho
- Academic Certificate in Secure and Dependable Computing Systems — May 2019

American Council on Education – Association of College and University Educators (ACE-ACUE)
- Certificate in Effective Teaching — Aug. 2026
- Advanced Teaching Certification — Expected: Aug. 2027

APPOINTMENTS:

Washington State University (WSU), Pullman, Washington
- Scholarly Associate Professor of Computer Science, College of Engineering — Aug. 2026 – Present
- Affiliate Faculty, College of Arts and Sciences — Jan. 2020 – Present
- Faculty Fellow, Honors College — May 2025 – Present
- Teaching Academy Fellow, Office of the Provost — May 2025 – Present
- Scholarly Assistant Professor of Computer Science, College of Engineering — Jan. 2020 – July 2026

Harvard University, Cambridge, Massachusetts
- Science & Democracy Network (SDN) Fellow, John F. Kennedy School of Government — Jan. 2026 – Dec. 2026

Schweitzer Engineering Laboratories, Pullman, Washington
- Associate Software Engineer, Secure Solutions Department — Aug. 2019 – Dec. 2019

University of Idaho, Moscow, Idaho
- Instructor, Department of Computer Science — Aug. 2016 – May 2019
- Research Assistant, Center for Secure and Dependable Systems — Sep. 2015 – Jul. 2019
- Programming Intern, Department of Chemical Engineering — May 2016 – Aug. 2016

Defense Research & Development Laboratory, Hyderabad, India
- Software Engineering Intern, Wireless Communications Group — Sep. 2014 – Apr. 2015

COURSES DEVELOPED OR TAUGHT:

Washington State University
- CptS 260: Intro to Computer Architecture; — Summer ‘25
- CptS 302: Professional Skills in Computing and Engineering; — Fall ‘20, ‘21, ‘25, ‘26
- CptS 315: Intro to Data Mining; — Fall ‘20, ‘21; Summer ‘22, ‘24
- CptS 322: Software Engineering Principles I; — Summer ‘24; Spring ‘26

CptS 327: Intro to Cybersecurity and Cryptography;	Fall ‘20, ‘21, ‘22, ‘23, ‘24; Summer ‘21, ‘22, ‘23
CptS 360: Systems Programming C/C++;	Spring ‘26
CptS 421: Software Design Project I;	Spring ‘20, ‘24, ‘25; Fall ‘20, ‘21, ‘22, ‘23
CptS 422: Software Engineering Principles II	Fall ‘26
CptS 423: Software Design Project II;	Spring ‘20, ‘21, ‘22, ‘23, ‘24; Fall ‘24, ‘25
CptS 427: Cyber Security of Wireless and Distributed Systems;	Spring ‘26
CptS 432: Cybersecurity Capstone Project;	Fall ‘25, ‘26
CptS 451: Intro to Database Systems;	Spring ‘20, ‘21, ‘22, ‘23; Summer ‘22, ‘23, ‘24, ‘25
CptS 455: Intro to Computer Networks and Security;	Fall ‘22, ‘23, ‘24
CptS 582: Software Testing;	Spring ‘25
Data 121/122: Computational Calculus I/II;	Spring ‘26
Data 303: Intro to SQL;	Fall ‘22, ‘23; Spring ‘23; Summer ‘23
Data 324: Data Repository Systems;	Spring ‘24
Data 501: Data Science Primer;	Spring ‘25

University of Idaho

CS 401 / 501: Contemporary Issues in CS;	Fall and Spring of ‘16, ‘17, ‘18
CS 447 / 547: Computer and Network Forensics;	Fall ‘16
CS 502: DS: Software Engr Research;	Spring ‘16, ‘17, ‘18, ‘19
CS 270: System Software;	Spring ‘17, ‘18, ‘19, Fall ‘18
CS 299 / 499: Cyber Defence II;	Spring ‘16, ‘17, ‘18, ‘19
CS 120: Computer Science I;	Fall ‘16

COURSE EVALUATION SUMMARY SCORES:

Full course evaluations can be found at http://tiny.cc/jillevals.

CPTS 327 was encoded as CPTS 427/527 until Fall 2022.

The table **does not include several courses** which had low enrollments or did not meet response thresholds

Semester	Courses (Credits)	Enrollment	Overall Course Organization Rating (Out of 5)	Overall Instructor Performance Rating (Out of 5)
Spring ‘20	CPTS 421-01 (3)	28	4.4	4.5
	CPTS 421-02 (3)	31	4.5	4.6
	CPTS 423 (3)	73	4.1	4.2
	CPTS 451 (3)	11	4.7	4.9
Fall ‘20	CPTS 421 (3)	90	4.7	4.6
	CPTS 315 (3)	64	4.2	4.0
	CPTS 327[&] (3)	67	4.2	4.3
Spring ‘21	CPTS 423 (3)	90	4.6	4.6
	CPTS 451 (3)	21	4.0	4.0
Summer ‘21	CPTS 327[&] (3)	39	4.6	4.7
Fall ‘21	CPTS 421 (3)	75	4.8	4.8
	CPTS 315 (3)	72	4.2	4.0
	CPTS 327[&] (3)	51	4.7	4.8
Spring ‘22	CPTS 423 (3)	74	4.6	4.6
	CPTS 451 (3)	33	4.5	4.7
Summer ‘22	CPTS 315 (3)	25	4.5	4.7
	CPTS 327 [&] (3)	33	4.9	4.9
	CPTS 451 (3)	30	4.6	4.6
Fall ‘22	CPTS 327 (3)	110	4.4	4.4
	CPTS 421 (3)	119	4.4	4.5

	CPTS 455 (3)	56	4.4	4.3
Spring ‘23	CPTS 327 (3)	128	4.5	4.5
	CPTS 423 (3)	119	4.5	4.6
	CPTS 451 (3)	98	3.8	3.8
Summer ‘23	CPTS 451 (3)	35	4.3	4.3
Fall ‘23	CPTS 327 (3)	105	4.2	4.5
	CPTS 421 (3)	93	4.5	4.4
	CPTS 455 (3)	63	4.2	4.4
Spring ‘24	CPTS 421 (3)	45	4.6	4.7
	CPTS 423 (3)	93	4.5	4.5
Summer ‘24	CPTS 322 (3)	25	4.5	4.5
	CPTS 451 (3)	34	4.5	4.5
Fall ‘24	CPTS 327 (3)	120	4.5	4.6
	CPTS 423 (3)	44	4.8	4.8
	CPTS 455 (3)	42	4.6	4.6
Spring ‘25	CPTS 421 (3)	42	4.8	4.9
	CPTS 582 (3)	09	4.6	4.7
Summer ‘25	CPTS 260 (3)	17	4.6	4.6
Fall ‘25	CPTS 302 (3)	117	4.4	4.6
	CPTS 423 (3)	43	4.8	4.9
	CPTS 432 (3)	5	4.8	4.8
Spring ‘26	CPTS 322 (3)	85		
	CPTS 360 (3)	66		
	CPTS 427 (3)	37		

HANDS-ON CYBERSECURITY TUTORIALS DEVELOPED:

Actively working on developing and editing hands-on tutorials, that are intended to be used as standalone teaching instruments by cybersecurity educators. Tutorials can be found at:
https://github.com/ajillepalli/HandsOnCyberTutorials
https://github.com/ajillepalli/CyberBridgeTutorials/
https://github.com/MPS-ISAAC

GRANT WRITING (AWARDED):

1. “Integrating Splunk Enterprise Tool Usage in Cybersecurity Education”, Cisco – Splunk, 03 pages, November 2025. **Awarded**. Amount: $4,400. PI. URL: https://news.wsu.edu/announcements/eecs-faculty-dr-ananth-jillepalli-recognized-by-cisco-as-splunk-ambassador-for-wsu/
2. “Collaborative Research: Documenting and Assessing Individual Contributions to Team Software Projects with the PORTRAIT Framework”, Improving Undergraduate STEM Education: Directorate for STEM Education (IUSE: EDU) of the National Science Foundation (NSF), 15 pages, May 2025 to April 2028. **Awarded**. Total Award Amount: $750,000. WSU Portion: $254,022. Role: Lead-PI. URL: https://www.nsf.gov/awardsearch/showAward?AWD_ID=2439770
3. “Collaborative Research: EarthCube Capabilities: ICESpark: An Open-Source Big Data Platform for Science Discoveries in the New Arctic and Beyond”, Integrative and Collaborative Education and Research (ICER): Directorate for Geosciences (ICER: GEO) of the National Science Foundation (NSF), 02 pages, May 2025 to July 2025. **Awarded**. Award Amount: $11,400. Role: Support Staff. URL: https://www.nsf.gov/awardsearch/showAward?AWD_ID=2126449
4. “Aerospace Large Language Model Analysis and Refinement”, Office of University Relations, The Boeing Company, 01 page, January 2025. **Awarded**. Amount: $4,200. Role: PI. URL: https://doi.org/10.13140/RG.2.2.22176.85762
5. “Pluggable CURL Zero Copy API”, Staff Sponsored Projects Office, Dell Technologies, 01 page, January 2025. **Awarded**. Amount: $6,100. Role: PI. URL: https://doi.org/10.13140/RG.2.2.28887.74408

6. "Cyber Security Education and Research (CySER) Certification Program", Academic Cyber Institutes Initiative of the Department of Defense (DoD), 02 pages, May 2024. **Awarded**. Award Amount: $7,500. Role: Support Staff. URL: https://cyser.wsu.edu/publications/
7. "A Web application for Improving Holistic Health and Fitness Screening and Assessment", Virginia Air National Guard, National Security Innovation Network (NSIN), 02 pages, March 2024. **Awarded**. Amount: $4,400. Role: Co-PI. URL: http://dx.doi.org/10.13140/RG.2.2.11008.75527
8. "A WebApp for Cybersecurity Vulnerabilities and their Mitigations", University R&D Office of the Pacific Northwest National Labs (PNNL), 02 pages, January 2024. **Awarded**. Amount: $8,246. Role: Co-PI. URL: http://dx.doi.org/10.13140/RG.2.2.17719.64164
9. "Tin Whisker Simulation in Unity 3D", Missile Defense Agency (MDA), National Security Innovation Network (NSIN), 02 pages, January 2024. **Awarded**. Amount: $7,100. Role: Co-PI. URL: https://doi.org/10.13140/RG.2.2.21337.99688
10. "A Mobile App to Identify Safe Routes for Pedestrians in Pullman", College Hill Association of Pullman, 02 pages, August 2023. **Awarded**. Amount: $7,200. Role: Co-PI. URL: https://pullman.wsu.edu/2024/05/13/making-the-hills-more-walkable/
11. "Cultivating GitHub Enterprise Tool Usage in Education", Microsoft Corporation – GitHub Subdivision, 06 pages, August 2023. **Awarded**. Amount: $6,190. Renewed annually upon a successful audit with no end date. Role: PI. URL: https://news.wsu.edu/announcements/wsu-github-campus/, https://github.com/enterprises/wsu-edu
12. "Cybersecurity Education", Juniper Networks Cloud and Automation Academy, 04 pages, August 2023. **Awarded**. Amount: $13,300. Role: Co-PI. URL: https://jpartnertraining.juniper.net/
13. "Wally the Walker: A Full-Stack Mobile App for Gamified Motivational Reinforcement", Student Technology Fee Committee of the Washington State University (WSU), 02 pages, March 2023. **Awarded**. Amount: $7,920. Role: Co-PI. URL: http://dx.doi.org/10.13140/RG.2.2.34496.85764
14. "Fixing Code Coverage for Unix Systems", Staff Sponsored Projects Office, Dell Technologies, 02 pages, August 2022. **Awarded**. Amount: $4,200. Role: PI. URL: https://doi.org/10.13140/RG.2.2.15465.97126
15. "A Full-Stack App to Facilitate Unstaffed Medication Management of Patients", Latah Alliance on Mental Illness (LAMI), 02 pages, August 2022. **Awarded**. Amount: $2,200. Role: PI. URL: https://school.eecs.wsu.edu/2022/01/18/innovative-partnerships/
16. "Latent Probabilistic Model of News Sources", Academic Outreach Office of the Army Cyber Institute (ACI), United States Military Academy at Westpoint, 02 pages, February 2022. **Awarded**. Amount: $8,200. Role: Co-PI. URL: http://dx.doi.org/10.13140/RG.2.2.29463.69287
17. "A Graphical User Interface for RoboSub Project", University Outreach Office of the United States Naval Sea Systems Command (NAVSEA), 02 pages, August 2021. **Awarded**. Amount: $6,700. Role: PI. URL: https://doi.org/10.13140/RG.2.2.18991.80802
18. "Automatic Self Provisioning & Trusted Cluster Management", Staff Sponsored Projects Office, Dell Technologies, 02 pages, August 2021. **Awarded**. Amount: $5,300. Role: PI. URL: https://doi.org/10.13140/RG.2.2.35769.02400
19. "Designing and Testing Scalable Data Lakes: AWS", University R&D Office of the Pacific Northwest National Labs (PNNL), 02 pages, August 2021. **Awarded**. Amount: $8,160. Role: PI. URL: http://dx.doi.org/10.13140/RG.2.2.12686.47688
20. "Automatic Schematization of Security Events", Cyber Operation Defense Center (CDOC) of Microsoft Corporation, 02 pages, August 2020. **Awarded**. Amount: $3,900. Role: PI. URL: https://doi.org/10.13140/RG.2.2.36188.45443
21. "An Extensible System for Risk Adjustment of Security Findings", Cyber Operation Defense Center (CDOC) of Microsoft Corporation, 02 pages, August 2020. **Awarded**. Amount: $5,100. Role: PI. URL: https://doi.org/10.13140/RG.2.2.24024.97288

22. "Real-time flow chart visualization", Cyber Operation Defense Center (CDOC) of Microsoft Corporation, 02 pages, August 2020. **Awarded**. Amount: $4,400. Role: PI. URL: https://doi.org/10.13140/RG.2.2.19411.23843
23. "Tuition Waivers for Graduate Teaching Assistants", University of Idaho Provost's Office, 15 pages, December 2016. **Awarded**. Award Amount: $2,300,000. Role: Support Staff. URL: https://www.uiargonaut.com/2018/02/21/ui-plans-raises-for-tas/

PEER-REVIEWED JOURNAL PUBLICATIONS:

[J019] **A. A. Jillepalli**, "Impact of Course Delivery Models on an Intro to Databases Course at a Public University", in *Transactions on Computing Education (TOCE)*, ACM, under review.

[J018] **A. A. Jillepalli**, J. Crabb, and A. Gebremedhin, "Impact of Industry Certifications and Flipped Pedagogical Models on a Computer Networks Security Course", in *Transactions on Computing Education (TOCE)*, ACM, 26 pages, under review.

[J017] **A. A. Jillepalli**, and G. Nurmukhametov, "A Quantitative Comparison of the Effectiveness of Traditional and Flipped Pedagogical Models in an Intro to Cybersecurity Course at a Public University", in *Transactions on Education (ToE)*, IEEE, 08 pages, under review.

[J016] **A. A. Jillepalli**, and C. Hundhausen, "Impact of Generative Artificial Intelligence (GenAI) Tools on Team-based, Upper-level Undergraduate Software Programming Assignments", in *Transactions on Computing Education (TOCE)*, ACM, 21 pages, under review.

[J015] A. H. Alkhorem, D. Conte de Leon, **A. A. Jillepalli**, and J. Song, "Graph-based Formal Modeling and Implementation of Access Control Policies with Automated Conflict and Redundancy Detection", in *International Journal of Information Security*, Springer, Volume: 25, Issue: 2, Number: 61, 20 pages, February 2026. DOI: https://doi.org/10.1007/s10207-025-01130-z

[J014] **A. A. Jillepalli**, "Effects of Neoliberalism on Computing Education Research and Practice", in *Transactions on Computing Education (TOCE)*, ACM, Volume: 25, Issue: 4, Number: 58, 13 pages, October 2025. DOI: https://doi.org/10.1145/3766901.

[J013] A. H. Alkhorem, D. Conte de Leon, **A. A. Jillepalli,** and J. Song, "Formalizing Permission to Delegate and Delegation with Policy Interaction", in *Sensors*, MDPI, Volume: 25, Issue: 16, Article Number: 4915, 40 pages, August 2025. DOI: https://doi.org/10.3390/s25164915

[J012] F. T. Sheldon, Y. Saleh, M. D. Cox, **A. A. Jillepalli**, B. Rimal, and A. A. Rahim, "Taxonomy of Existing Sustainable Smart City IoT Projects", in *Access*, IEEE, Volume: 13, Issue: 1, pp. 130909-130940, 32 pages, EISSN: 2169-3536. DOI: https://doi.org/10.1109/ACCESS.2025.3591230

[J011] A. K. Joens, **A. A. Jillepalli**, and F. T. Sheldon, "Trustworthy High-Performance Multiplayer Games with Trust-but-Verify Protocol Sensor Validation", in *Sensors*, MDPI, Volume: 24, Issue 14, pp. 4737-4752, 15 pages, July 2024. DOI: https://doi.org/10.3390/s24144737

[J010] S. Steiner, **A. A. Jillepalli**, and D. Conte de Leon, "A Survey of Cloud-hosted, Publicly-available, Cyber-ranges for Educational Institutions", in *Journal of Computing Sciences in Colleges (JCSC)*, The Consortium for Computing Sciences in Colleges. Volume: 38, Issue: 1, ISSN: 1937-4771, EISSN: 1937-4763, pp. 68-77, 10 pages, Nov. 2022. URL: https://dl.acm.org/doi/abs/10.5555/3575618.3575625

[J009] **A. A. Jillepalli**, D. Conte de Leon, J. Alves-Foss, C. L. Jeffery, and F. T. Sheldon, "A Formal Model for HESTIA: an Automated, Adversary-aware Risk Assessment Process for Cyber Infrastructure", in *Access*, IEEE, Volume: 10, Issue: 01, pp. 79805-79814, 38 pages, Aug. 2022. EISSN: 2169-3536. DOI: https://dx.doi.org/10.1109/ACCESS.2022.3197195

[J008] K. Albulayhi, Q. A. Al-Haija, S. A. Alsuhibany, **A. A. Jillepalli**, M. Ashrafuzzaman, and F. T. Sheldon, "IoT Intrusion Detection Using Machine Learning with a Hybrid Feature Selection Approach", in *Applied Sciences*, MDPI, Volume: 12, Issue: 10, pp. 5015-5045, 30 pages, May 2022. DOI: https://doi.org/10.3390/app12105015

[J007] **A. A. Jillepalli**, D. Conte de Leon, S. Steiner, and J. Alves-Foss, "Analysis of Web Browser Security Configuration Options", in *Transactions on Internet & Information Systems (TIIS)*, The Korean Society for

Internet Information, Volume: 12, Issue: 12, ISSN: 1976-7277, pp. 6139-6160, 22 pages, Dec. 2018. DOI: https://doi.org/10.3837/tiis.2018.12.028

[J006] D. Conte de Leon, **A. A. Jillepalli**, Victor J. House, J. Alves-Foss, and F. T. Sheldon, "Tutorials and Laboratory for Hands-on OS Cybersecurity Instruction", in *Journal of Computing Sciences in Colleges (JCSC)*, The Consortium for Computing Sciences in Colleges, Volume: 34, Issue: 1, ISSN:1937-4771, EISSN:1937-4763, pp. 242-254, 13 pages, Oct. 2018. URL: https://dl.acm.org/citation.cfm?id=3280530

[J005] **A. A. Jillepalli**, D. Conte de Leon, F. T. Sheldon, and M. A. Haney, "Enterprise-level Hardening of Web Browsers for Microsoft Windows", in *International Journal of Computing and Digital Systems (IJCDS)*, University of Bahrain's Scientific Publishing Center, Volume: 7, Issue: 5, EISSN: 2210-142X, pp. 261-274, 14 pages, Sept. 2018. URL: https://journal.uob.edu.bh/handle/123456789/3209

[J004] **A. A. Jillepalli**, D. Conte de Leon, Y. Chakhchoukh, M. Ashrafuzzaman, B. K. Johnson, F. T. Sheldon, J. Alves-Foss, P. T. Tosic, and M. A. Haney, "An Architecture for HESTIA: High-level and Extensible System for Training and Infrastructure risk Assessment", in *International Journal of Internet of Things and Cyber-Assurance (IJITCA)*, Inderscience, Volume: 1, Issue: 2, ISSN: 2059-7967, EISSN: 2059-7975, pp. 173-193, 21 pages, Jun. 2018. DOI: https://doi.org/10.1504/IJITCA.2018.092478

[J003] **A. A. Jillepalli**, D. Conte de Leon, and F. T. Sheldon, "CERES NetSec: Hands-On Network Security Tutorials", in *Journal of Computing Sciences in Colleges (JCSC)*, The Consortium for Computing Sciences in Colleges, Volume: 33, Issue: 5, ISSN:1937-4771, EISSN:1937-4763, pp. 88-96, 09 pages, May 2018. URL: https://dl.acm.org/citation.cfm?id=3204996

[J002] D. Conte de Leon, A. Q. Stalick, **A. A. Jillepalli**, M. A. Haney, and F. T. Sheldon, "Blockchain: Properties and misconceptions", in *Asia-Pacific Journal of Innovation and Entrepreneurship (APJIE)*, Emerald, Volume: 11, Issue: 3, ISSN: 2398-7812, pp. 286-300, 15 pages, Oct. 2017. DOI: https://doi.org/10.1108/APJIE-12-2017-034

[J001] D. Conte de Leon, M. G. Brown, **A. A. Jillepalli**, A. Q. Stalick, and J. Alves-Foss, "High-Level and Formal Router Policy Verification", in *Journal of Computing Sciences in Colleges (JCSC)*, The Consortium for Computing Sciences in Colleges, Volume: 33, Issue: 1, ISSN:1937-4771, EISSN:1937-4763, pp. 118-128, 11 pages, Oct. 2017. URL: https://dl.acm.org/citation.cfm?id=3144631

PEER-REVIEWED CONFERENCE PUBLICATIONS:

[C024] **A. A. Jillepalli**, J. Crabb, and A. Gebremedhin, "Impact of Industry Certifications as Part of Graded Coursework in an Introductory Cybersecurity Course", in *58th Annual Technical Symposium for Special Interest Group in Computer Science Education (SIGCSE TS),* ACM, under review.

[C023] **A. A. Jillepalli**, J. Crabb, D. Rice, and A. Gebremedhin, "Examining the Impact of Instructor-Client Mentoring Models in CS Capstone Courses at a Public University", in *Proceedings of the 57th Annual Technical Symposium for Special Interest Group in Computer Science Education (SIGCSE TS),* ACM, St. Louis, Missouri, USA, 07 pages, Feb. 2026. URL: https://doi.org/10.1145/3770762.3772577.

[C022] **A. A. Jillepalli**, D. Rice, J. Crabb, and A. Gebremedhin, "Effects of Project Types on CS Capstone Courses", in *Proceedings of the 57th Annual Technical Symposium for Special Interest Group in Computer Science Education (SIGCSE TS),* ACM, St. Louis, Missouri, USA, 07 pages, Feb. 2026. URL: https://doi.org/10.1145/3770762.3772578.

[C021] Y. J. Reimer, **A. A. Jillepalli**, C. Hundhausen, and O. Adesope, "A Pedagogy for Assessing Individual Contributions to Team-Based Software Projects", in *Proceedings of the 57th Annual Technical Symposium for Special Interest Group in Computer Science Education (SIGCSE TS),* ACM, St. Louis, Missouri, USA, 07 pages, Feb. 2026. URL: https://dx.doi.org/10.1145/3770762.3772609.

[C020] C. Hotchkiss, **A. A. Jillepalli**, S. Steiner, D. Conte de Leon, and B. K. Johnson, "Building and Testing an Economic Faraday Cage for Wireless, IoT Computing Education and Research", in *Proceedings of the 130th ASEE Annual Conference and Exposition*, Baltimore, Maryland, USA, 15 pages, Jun. 2023. URL: https://peer.asee.org/43340

[C019] **A. A. Jillepalli**, H. Challa, A. Gress, R. G. Bainy, Y. Chakhchoukh, D. Conte de Leon, and B. K. Johnson, "Hands-on Lab Exercises for Onsite and Remote Education Delivery in a CPS Communication Systems Course", in *Proceedings of the 130th ASEE Annual Conference and Exposition*, Baltimore, Maryland, USA, 11 pages, Jun. 2023. URL: https://peer.asee.org/43076

[C018] A. G. Miles, M. J. Holman, **A. A. Jillepalli**, D. Conte de Leon, Y. Chakhchoukh, B. K. Johnson, and H. L. Hess, "An Integrated Transactive Energy Market and Distribution Grid Analysis Platform", in *Proceedings of the 9th CIGRE Grid of the Future Symposium (GOTF),* Providence, Rhode Island, USA, 17 pages, Oct. 2021. URL: https://cigre-usnc.org/2021-grid-of-the-future-papers/

[C017] M. Ashrafuzzaman, S. Das, **A. A. Jillepalli**, Y. Chakhchoukh, and F. T. Sheldon, "Elliptic Envelope Based Detection of Stealthy False Data Injection Attacks in Smart Grid Control Systems", in *Proceedings of the 11th IEEE Symposium Series on Computational Intelligence (SSCI),* Canberra, New South Wales, Australia, pp. 1-7, 07 pages, Dec. 2020. DOI: https://doi.org/10.1109/SSCI47803.2020.9308523

[C016] D. L. Marino, C. S. Wickramasinghe, K. Amarasinghe, H. Challa, P. Richardson, **A. A. Jillepalli**, B. K. Johnson, C. Rieger, and M. Manic, "Cyber and Physical Anomaly Detection in Smart-Grids", in *Proceedings of the 12th Resilience Week (RWS) Symposium*, San Antonio, Texas, USA, 07 pages, Nov. 2019. DOI: https://doi.org/10.1109/RWS47064.2019.8972003

[C015] I. A. Oyewumi, **A. A. Jillepalli**, P. Richardson, M. Ashrafuzzaman, B. K. Johnson, Y. Chakhchoukh, M. A. Haney, F. T. Sheldon, and D. Conte de Leon, "ISAAC: The Idaho CPS Smart Grid Cybersecurity Testbed", in *Proceedings of the 3rd IEEE Texas Power and Energy Conference (TPEC)*, College Station, Texas, US, 06 pages, Feb. 2019. DOI: https://doi.org/10.1109/TPEC.2019.8662189

[C014] **A. A. Jillepalli**, D. Conte de Leon, I. A. Oyewumi, J. Alves-Foss, B. K. Johnson, C. L. Jeffery, Y. Chakhchoukh, M. A. Haney, and F. T. Sheldon, "Formalizing an Automated, Adversary-aware Risk Assessment Process for Critical Infrastructure", in *Proceedings of the 3rd IEEE Texas Power and Energy Conference (TPEC)*, College Station, Texas, US, 06 pages, Feb. 2019. DOI: https://doi.org/10.1109/TPEC.2019.8662167

[C013] I. A. Oyewumi, H. Challa, **A. A. Jillepalli**, P. Richardson, Y. Chakhchoukh, B. K. Johnson, D. Conte de Leon, F. T. Sheldon, and M. A. Haney, "Attack Scenario-based Validation of the Idaho CPS Smart Grid Cybersecurity Testbed (ISAAC)", in *Proceedings of the 3rd IEEE Texas Power and Energy Conference (TPEC)*, College Station, Texas, US, 06 pages, Feb. 2019. DOI: https://doi.org/10.1109/TPEC.2019.8662168

[C012] R. K. Abercrombie, B. Ollis, F. T. Sheldon, and **A. A. Jillepalli**, "Microgrid Disaster Resiliency Analysis: Reducing Costs in Continuity of Operations (COOP) Planning", in *Proceedings of the 52nd Hawaii International conference on System Sciences (HICSS)*, Maui, Hawaii, US, 10 pages, Jan. 2019. DOI: http://hdl.handle.net/10125/59789

[C011] **A. A. Jillepalli**, D. Conte de Leon, B. K. Johnson, Y. Chakhchoukh, I. A. Oyewumi, M. Ashrafuzzaman, F. T. Sheldon, J. Alves-Foss, and M. A. Haney, "METICS: A Holistic Cyber Physical System Model for IEEE 14-bus Power System Security", in *Proceedings of the 13th IEEE International Conference on Malicious and Unwanted Software (MALCON)*, Nantucket, Massachusetts, USA, 08 pages, Oct. 2018. DOI: https://doi.org/10.1109/MALWARE.2018.8659367

[C010] **A. A. Jillepalli**, D. Conte de Leon, M. Ashrafuzzaman, Y. Chakhchoukh, B. K. Johnson, F. T. Sheldon, J. Alves-Foss, P. T. Tosic, and M. A. Haney, "HESTIA: Adversarial Modeling and Risk Assessment for CPCS", in *Proceedings of the 14th IEEE International Wireless Communications and Mobile Computing Conference (IWCMC)*, Cyprus, pp. 226-231, 06 pages, Jun. 2018. DOI: https://doi.org/10.1109/IWCMC.2018.8450297

[C009] M. Ashrafuzzaman, Y. Chakhchoukh, **A. A. Jillepalli**, P. T. Tosic, D. Conte de Leon, F. T. Sheldon, and B. K. Johnson, "Detecting Stealthy False Data Injection Attacks in Power Grid using Deep Learning", in *Proceedings of the 14th IEEE International Wireless Communications and Mobile Computing Conference (IWCMC)*, Limassol, Cyprus, pp. 219-225, 07 pages, Jun. 2018. DOI: https://doi.org/10.1109/IWCMC.2018.8450487

[C008] **A. A. Jillepalli**, D. Conte de Leon, and J. Alves-Foss, "Operational Characteristics of Modern Malware: PCO Threats", in *Proceedings of the 5th Cybersecurity Symposium (CYBERSEC)*, an ACM publication, Coeur d'Alene, Idaho, USA, Article No. 5, 06 pages, Apr. 2018. URL: https://doi.org/10.1145/3212687.3212864

[C007] S. Steiner, D. Conte de Leon, and **A. A. Jillepalli**, "Hardening Web Applications Using a Least Privilege DBMS Access Model", in *Proceedings of the 5th Cybersecurity Symposium (CYBERSEC)*, an ACM publication, Coeur d'Alene, Idaho, USA, Article No. 4, 06 pages, Apr. 2018. URL: https://doi.org/10.1145/3212687.3212863

[C006] V. S. Koganti, M. Ashrafuzzaman, **A. A. Jillepalli**, and F. T. Sheldon, "A Virtual Testbed for Security Management of Industrial Control Systems", in *Proceedings of the 12th IEEE International Conference on Malicious and Unwanted Software (MALCON)*, San Juan, Puerto Rico, USA, pp. 85-90, 05 pages, Jan. 2018. DOI: https://doi.org/10.1109/MALWARE.2017.8323960

[C005] **A. A. Jillepalli**, D. Conte de Leon, S. Steiner, F. T. Sheldon, and M. A. Haney, "Hardening the Client-side: A Guide to Enterprise-level Hardening of Web Browsers", in *Proceedings of the 15th IEEE International Conference on Dependable, Autonomic and Secure Computing (DASC)*, Orlando, Florida, USA, pp. 687-692, 05 pages, Nov. 2017. DOI: https://doi.org/10.1109/DASC-PICom-DataCom-CyberSciTec.2017.120

[C004] **A. A. Jillepalli**, F. T. Sheldon, D. Conte de Leon, M. Haney, and R. K. Abercrombie, "Security Management of Cyber Physical Control Systems Using NIST SP 800-82r2", in *Proceedings of the 13th IEEE International Wireless Communications and Mobile Computing Conference (IWCMC)*, Valencia, Spain, pp. 1864-1870, 06 pages, Jun. 2017. DOI: http://doi.org/10.1109/IWCMC.2017.7986568

[C003] **A. Jillepalli**, D. Conte de Leon, S. Steiner, and F. T. Sheldon, "HERMES: A High-Level Policy Language for High-Granularity Enterprise-wide Secure Browser Configuration Management", in *Proceedings of the 7th IEEE Symposium Series on Computational Intelligence (SSCI)*, Athens, Attica, Greece, pp. 1-9, 09 pages, Dec. 2016. DOI: http://doi.org/10.1109/SSCI.2016.7849914

[C002] D. Conte de Leon, V. A. Bandari, **A. Jillepalli**, and F. T. Sheldon, "Using a Knowledge and Policy-Based Security Orchestration Tool to Reduce the Risk of Browser Compromise", in *Proceedings of the 7th IEEE Symposium Series on Computational Intelligence (SSCI)*, Athens, Attica, Greece, pp. 1-8, 08 pages, Dec. 2016. DOI: http://doi.org/10.1109/SSCI.2016.7849910

[C001] **A. A. Jillepalli** and D. Conte de Leon, "An Architecture for a Policy-Oriented Web Browser Configuration Management System", in *Proceedings of the 40th IEEE Computer Software and Applications Conference (COMPSAC)*, Athens, Attica, Greece, December 2016, Atlanta, Georgia, US, pp. 382-387, 05 pages, Aug. 2016. DOI: http://doi.org/10.1109/COMPSAC.2016.50

DISSERTATION / THESIS PUBLICATIONS:

1. **A. A. Jillepalli**, "HESTIA-Semi-Automatic and Adversary-Aware Risk Assessment of Critical Infrastructure Systems", *Dissertation in fulfillment of the Doctor of Philosophy in Computer Science degree*, University of Idaho, Moscow, Idaho, US, 177 pages, Aug. 2020. DOI: https://www.lib.uidaho.edu/digital/etd/items/jillepalli_idaho_0089e_11922.html
2. **A. Jillepalli**, "HiFiPol:Browser - Securing the Web Browsing Ecosystem", *Thesis in fulfillment of the Master of Science in Computer Science degree*, University of Idaho, Moscow, Idaho, US, 83 pages, May 2017. DOI: https://search.proquest.com/docview/1925701646
3. **A. Jillepalli**, "Radar Signal Data De-noising by Implementation of Haar Wavelet Transformation", *Thesis in fulfillment of the Bachelor of Technology in Computer Science & Engineering degree*, Jawaharlal Nehru Technological University, Hyderabad, Telangana, India, 17 pages, May 2015. DOI: https://ijret.org/volumes/2015v04/i05/IJRET20150405003.pdf

MANUSCRIPTS BEING PREPARED:

1. **A. A. Jillepalli**, and C. Hundhausen, "Impact of Team-Formation-based Pedagogical Models on an Intro to Software Engineering Course", in *Transactions on Computing Education (TOCE)*, ACM, under preparation.

ACCOLADES:

1. Scholarship Enhancement Grant, Teaching Academy, WSU — Spring 2026
2. Reid Miller Excellence in Teaching Award, Voiland College, WSU — Spring 2025
3. Teaching Excellence Award, School of EECS, WSU — Spring 2025
4. Outstanding Publication in the Scholarship of Teaching in Higher Education, WSU — Spring 2025
5. Writing Occurring Rhetorically in the Disciplines (WORD) Faculty Fellow, WSU — Spring 2025
6. Peer Observation in Support of Instructional Excellence (POSIE) Faculty Fellow, WSU — Fall 2024
7. Student Career Preparedness Excellence Faculty Fellow, Provost's Office, WSU — Fall 2024
8. Learn, Inspire, Foster, Transform (LIFT) Faculty Fellow, Provost's Office, WSU — Summer 2024
9. Outstanding Student Mentoring and Outreach Excellence Award, School of EECS, WSU — Spring 2024
10. Career Expo Faculty Achievement Award, Provost's Office, WSU — Spring 2024
11. Student Engagement & Retention Award, Provost's Office, WSU — Summer 2021
12. "Noteworthy Dissertation" award, Graduate & Professional Students Association, UIdaho — Spring 2020
13. Outstanding Doctoral Research award, UIdaho — Spring 2019
14. First place, Graduate Research Presentation Competition, IEEE Palouse Section — Spring 2019
15. Third place, Innovation Showcase Competition (Interdisciplinary track), UIdaho — Spring 2019
16. Distinguished Graduate Student Leader award, UIdaho — Spring 2019
17. Distinguished Service award, Graduate & Professional Students Association, UIdaho — Spring 2019
18. Love of Learning award, The Honor Society of Phi Kappa Phi — Fall 2018
19. Graduate Student Leader award, UIdaho — Fall 2018
20. Publication award, Graduate & Professional Students Association, UIdaho — Summer 2018
21. Distinguished Service award, Graduate & Professional Students Association, UIdaho — Spring 2018
22. Second place, Innovation Showcase Competition (Interdisciplinary track), UIdaho — Spring 2018
23. Graduate Student Leader award, UIdaho — Spring 2018
24. Best Poster Presentation award, Cybersecurity Symposium (CYBERSEC) of 2018 — Spring 2018
25. Outstanding PhD Student award, College of Engineering, UIdaho — Spring 2018
26. Graduate Student Leader award, UIdaho — Fall 2017
27. Travel award, Graduate & Professional Students Association, UIdaho — Fall 2017
28. First place, 3 Minute Masters' Competition, UIdaho — Spring 2017
29. "Noteworthy Masters' Thesis" award, Graduate & Professional Students Association's, UIdaho — Spring 2017
30. International Student Endowment Scholarship, UIdaho — Spring 2017
31. Graduate Student Leader award, UIdaho — Spring 2017
32. Third place, Innovation Showcase Competition (Disciplinary track), UIdaho — Spring 2017
33. Outstanding Academic Achievement award, International Programs Office, UIdaho — Spring 2017
34. Ismat Ara and Dr. Abdul-Mannan Sheikh Memorial Scholarship, UIdaho — Spring 2017
35. Travel award, IEEE Palouse Section — Spring 2017
36. Travel award, IEEE Computational Intelligence Society — Winter 2016
37. Graduate Student Leader award, UIdaho — Fall 2016
38. Travel award, Graduate & Professional Students Association, UIdaho — Fall 2016
39. Graduate Student Leader award, UIdaho — Spring 2016
40. Best Senior Design Project award, JNTU — Spring 2015
41. Best Non-Technical Essay award, All India Student Council — Winter 2009

THESIS ADVISING:

1. Azan Alkhorem; PhD in Computer Science; Committee Member; — Jan. 2021 – May 2024
2. Khalid Albulayhi; PhD in Computer Science; Committee Member; — Jan. 2020 – Dec. 2023
3. Bushra Alkomah; MS in Computer Science; Committee Member; — Jan. 2021 – May 2022

NON-THESIS PROJECTS ADVISING:

1. Xinyue Wu; MS in Computer Science, Committee Member; — Aug. 2024 – May 2026
2. Shruthi Mallesh; MS in Computer Science, Committee Member; — Aug. 2024 – May 2026
3. Nathan Atchison; MS in Computer Science, Committee Member; — Aug. 2024 – May 2026
4. Jake Eckfeldt; MS in Computer Science, Committee Member; — Aug. 2024 – May 2026
5. Divya Sinha; MS in Computer Science; Committee Member; — Aug. 2024 – May 2026

6. Khandelwal Raghav; MS in Computer Science, Committee Member; Aug. 2024 – Dec 2025
7. Sebastian Smith; MS in Computer Science; Committee Member; Aug. 2024 – Dec 2025
8. Shireen Bano Ahmed; MS in Computer Science; Committee Member; Jan. 2024 – Dec. 2025
9. Sheheryar Pirzada; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2025
10. Sai Kolagani; MS in Computer Science; Committee Member; Aug. 2023 – May 2025
11. Chinmay Chabbi; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
12. Varsha Mallampati; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
13. Surya Vadapalli; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
14. Srivarsha Adavath; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
15. Simarjeet Singh; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
16. Khoushik Rasumalla; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
17. Yi Chou; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
18. Asmita Acharya; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
19. Priya Damodharan; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
20. Arnav Jain; MS in Computer Science; Committee Member; Jan. 2023 – Dec. 2024
21. Krupa Doranalu; MS in Computer Science; Committee Chair; Aug. 2022 – May 2024
22. Sreehari Guruprasad; MS in Computer Science; Committee Chair; Aug. 2022 – May 2024
23. Kunal Sanghvi; MS in Computer Science; Committee Member; Aug. 2022 – May 2024
24. Abrar Abir; MS in Computer Science; Committee Member; Aug. 2022 – May 2024
25. Priyanka Dastidar; MS in Computer Science; Committee Member; Aug. 2022 – May 2024
26. Harshitha Girish; MS in Computer Science; Committee Chair; Aug. 2022 – May 2024
27. Oluwafemi Ajeigbe; MS in Computer Science; Committee Chair; Jan. 2022 – May 2023
28. Emmanuel Uyah; MS in Computer Science; Committee Chair; Jan. 2022 – May 2023
29. Derek Nevins; MS in Computer Science; Committee Chair; Aug. 2021 – Dec. 2023
30. Sahil Shrivastava; MS in Computer Science; Committee Chair; Aug. 2021 – May 2023
31. Harsh Tyagi; MS in Computer Science; Committee Chair; Aug. 2021 – May 2023
32. Madhumitha Sivakumaran; MS in Computer Science; Committee Member; Aug. 2021 – May 2023
33. Prasanth Athaluri; MS in Computer Science; Committee Member; Aug. 2021 – May 2023
34. Femi Ajeigbe; MS in Computer Science; Committee Member; Aug. 2021 – May 2023
35. Muhammad Musaddin; MS in Computer Science; Committee Member; Aug. 2021 – May 2023
36. Program of study advisor for 9 Bachelor of Science students Jan. 2020 – Dec. 2022
37. Rushabh Shah; MS in Computer Science; Committee Chair; Aug. 2021 – Dec. 2022
38. Pin-Liang Chen; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
39. Parikshit Panwar; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
40. Sarah Alqabbani; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
41. Aishwarya Sharma; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
42. Pallavi Sharma; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
43. Vishnu P. Chimata; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
44. Kulpreet Singh; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
45. Xinyu Liu; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
46. Tinhao Huang; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
47. Akshaya Venkatesh; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
48. Sanjitha R. Bahvirisetty; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
49. Jasmeetsingh D. Khalsa; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
50. Zicheng Gu; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
51. Pin-Liang Chen; MS in Computer Science; Committee Member; Aug. 2021 – Dec. 2022
52. Advised 247 Bachelor of Science capstone projects since January 2020

MENTORING:

1. Undergraduate Faculty Advisor, Computer Science & Data Analytics Programs, WSU Jan. 2020 – Present
2. Faculty Advisor, Cybersecurity Student Club, WSU Jan. 2021 – Present
3. Cybersecurity Student Mentor, Center for Secure and Dependable Systems, UIdaho May 2016 – May 2018
4. International Student Mentor, International Programs Office, UIdaho Aug. 2016 – Dec. 2017
5. Computer Science Student Mentor, Department of Computer Science, UIdaho Jan. 2016 – Dec. 2016

COLLOQUIA PRESENTATIONS:

Presentation materials available upon request. Please email ajillepalli@ieee.org

1. "Examining the Impact of Instructor-Client Mentoring Models in CS Capstone Courses at a Public University", *57th Annual ACM Technical Symposium for Special Interest Group in Computer Science Education (SIGCSE TS)*, St. Louis, Missouri, USA, Feb. 2026.
2. "Effects of Project Types on CS Capstone Courses", *57th Annual ACM Technical Symposium for Special Interest Group in Computer Science Education (SIGCSE TS)*, St. Louis, Missouri, USA, Feb. 2026.
3. "A Pedagogy for Assessing Individual Contributions to Team-Based Software Projects", *57th Annual ACM Technical Symposium for Special Interest Group in Computer Science Education (SIGCSE TS)*, St. Louis, Missouri, USA, Feb. 2026.
4. "Informatics Education in the Age of Heightened Societal Inequality", *IEEE Computer Society Series on Education - University of Washington at Tacoma*, Tacoma, Washington, USA, Dec. 2025.
5. "Computing Education: Barriers to Entry & Strategies of Mitigation", *Graduate Seminar – University of Washington at Tacoma*, Tacoma, Washington, USA, Dec. 2025.
6. "Cybersecurity Education: Security Design Principles", *ACM Workshop at University of Alaska*, Fairbanks, Alaska, USA, Oct. 2024.
7. "Human-Centric Automated, Adversary-Aware Risk Assessment of Critical Infrastructure Systems", *Research Topics Colloquium at University of Alaska*, Fairbanks, Alaska, USA, Oct. 2024.
8. "Web Browser Security Practices for Everyday Users", *Computer Science Colloquium at Northeastern University*, Miami, Florida, USA, Sept. 2024.
9. "Principle of Least Privilege in Enterprise Security via Domain Separation", *Cybersecurity Seminar at Texas State University*, San Marcos, Texas, USA, Aug. 2024.
10. "Data Analytics for Cybersecurity of Critical Infrastructure Systems", *Discuss, Discourse, Disseminate with Data (D4) joint WSU-PNNL seminar series*, Pullman, Washington, USA, May 2024.
11. "HESTIA: The Semi-Automatic, Adversary-Aware Risk Assessment of Critical Infrastructure Systems", *IEEE Palouse Section*, Pullman, Washington, USA, Mar. 2023.
12. "Role of Humans in Automated, Adversary-Aware Risk Assessment of Critical Infrastructure Systems", *Research Issues in Cybersecurity – New Mexico Institute of Technology*, Socorro, New Mexico, USA, Feb. 2023.
13. "Brownfield Teaching Method for Data Structure Courses", *Computer Science Colloquium – New Mexico Institute of Technology*, Socorro, New Mexico, USA, Feb. 2023.
14. "6-Point Strategy for Establishing a Center of STEM Education Excellence in New Mexico", *Randolph Endowment Grant Competition*, Socorro, New Mexico, USA, Feb. 2023.
15. "Automating Risk Assessment of IT & OT Networks in Critical Infrastructure Organizations", *Cybersecurity Research Seminar – Washington State University at Tri Cities*, Richland, Washington, USA, Jan. 2023.
16. "Cybersecurity Education Methods", *Educators Meetup – State University of New York at Buffalo*, Buffalo, New York, USA, Dec. 2022.
17. "Teaching Computer Science to Non-Traditional Graduate Students", *Align Education – The Roux Institute at Northeastern University*, Portland, Maine, USA, Dec. 2022.
18. "Cybersecurity of Industrial, Enterprise, and Decentralized Exchange (DEX) Systems", *Futuristic Research – Kent State University*, Kent, Ohio, USA, Mar. 2022.
19. "Securing Critical Infrastructure through Dynamic Risk Assessment", *Research Topics in Computer Science – Idaho State University*, Pocatello, Idaho, USA, Mar. 2022.
20. "Adversarial Modeling and Risk Assessment of Critical Infrastructure", *Computer Science Research Seminar – Illinois State University*, Normal, Illinois, USA, Feb. 2022.
21. "Modern Firewalls: A Cross Layered Security Feature", *Cybersecurity Week – Illinois Wesleyan University*, Normal, Illinois, USA, Feb. 2022.
22. "HESTIA – Semi-Automatic and Adversary-Aware Risk Assessment of Critical Infrastructure Systems", *Interdisciplinary Research Issues in Computer Science – Eastern Washington University*, Spokane, Washington, USA, Jan. 2022. De facto virtual due to COVID-19.
23. "Structured Threat Vector Analysis: DFD and STRIDE", *Spokane Catalyst Cybersecurity Awareness Expo*, Spokane, Washington, USA, Jan. 2022. De facto virtual due to COVID-19.
24. "Microgrid Disaster Resiliency and Sustainability Analysis", *Sustainable Energy & Comp. Symposium – Hawaii International Conference on System Sciences*, Maui, Hawaii, USA, Jan. 2022. De facto virtual due to COVID-19.

25. "Towards Automated Adversarial Modeling and Risk Assessment of Critical Infrastructure", *Research Topics – Sacred Heart University*, Fairfield, Connecticut, USA, Feb. 2021. De facto virtual due to COVID-19.
26. "Dynamic State Estimation and Risk Assessment of Critical Infrastructure", *Research Topics in Computer Science – Idaho State University*, Pocatello, Idaho, USA, Feb. 2021. De facto virtual due to COVID-19.
27. "Cybersecurity of Critical Infrastructure", *(ISC)² Industry – Academia Luncheon*, Orlando, Florida, USA, Nov. 2020. De facto virtual due to COVID-19.
28. "HESTIA - Semi-Automatic and Adversary-Aware Risk Assessment of Critical Infrastructure Systems", *Public Defense of Dissertation – University of Idaho*, Moscow, Idaho, USA, Jul. 2020. De facto virtual due to COVD-19.
29. "An Adversary-aware Risk Assessment System for Resiliency of Critical Infrastructure", *Lunch & Learn – Gonzaga University*, Spokane, Washington, USA, Mar. 2020.
30. "Enhancing Security of Critical Infrastructure Organizations using Adversary-aware Risk Assessment", *Computer Science Research Colloquium – Syracuse University*, Syracuse, New York, USA, Mar. 2020.
31. "HESTIA: Adversary-aware Modeling and Risk Assessment for Critical Infrastructure", *Graduate Student Presentations @ IEEE Palouse Section*, Moscow, Idaho, USA, Apr. 2019.
32. "Towards Automated Adversarial Modeling and Risk Assessment of Critical Infrastructure", *Innovation Showcase – University of Idaho*, Moscow, Idaho, USA, Apr. 2019.
33. "Building Resiliency in IoT Ecosystems using Adversary-aware Risk Assessment", *Contemporary Issues in Computer Science – University of Wyoming*, Laramie, Wyoming, USA, Mar. 2019.
34. "Domain Separation and Principle of Least Privilege in Enterprise Security", *Cybersecurity Seminar at Dakota State University*, Madison, Dakota, USA, Nov. 2018.
35. "METICS: A Holistic Cyber Physical System Model for IEEE 14-bus Power System Security", *13th IEEE International Conference on Malicious and Unwanted Software (MALCON)*, Nantucket, Massachusetts, USA, Oct. 2018.
36. "HESTIA: Adversarial Modeling and Risk Assessment for CPCS", *Innovation Showcase – University of Idaho*, Moscow, Idaho, USA, Apr. 2018.
37. "Operational Characteristics of Modern Malware: PCO Threats", *5th Cybersecurity Symposium*, Coeur d'Alene, Idaho, USA, Apr. 2018.
38. "CERES NetSec: Hands-On Network Security Tutorials", *Mid-South Conference – Consortium for Computing Sciences in Colleges*, Christian Brothers University, Memphis, Tennessee, USA, Apr. 2018.
39. "GPSA at UIdaho – From an administrative perspective", *31st Annual National Conference of National Association of Graduate-Professional Students,* Syracuse University, Syracuse, New York, USA, Nov. 2017.
40. "HESTIA: High-level and Extensible System for Training and Infrastructure risk Assessment", *CREDC Pacific Northwest Industry Workshop,* Pacific Northwest National Lab - Richland, Washington, USA, Nov. 2017.
41. "Tenure as a Graduate Student at University of Idaho", 6th *Annual Grad 101 Workshop,* University of Idaho, Moscow, Idaho, USA, Aug. 2017.
42. "HiFiPol:Browser – Securing the Web Browsing Ecosystem", *Public Defense of Thesis – University of Idaho*, Moscow, Idaho, USA, Apr. 2017.
43. "HiFiPol:Browser – Securing the Web Browsing Ecosystem", *Innovation Showcase – University of Idaho*, Moscow, Idaho, USA, Apr. 2017.
44. "Remote and Policy-Oriented Web-Browser Security Management", *Adventures with IEEE - IEEE Palouse Section*, Moscow, Idaho, USA, Feb. 2017.
45. "HERMES: A High-Level Policy Language for High-Granularity Enterprise-wide Secure Browser Configuration Management", *7th IEEE Symposium Series on Computational Intelligence*, Athens, Attica, Greece, Dec. 2016.
46. "Using a Knowledge and Policy-Based Security Orchestration Tool to Reduce the Risk of Browser Compromise", *7th IEEE Symposium Series on Computational Intelligence*, Athens, Attica, Greece, Dec. 2016.
47. "High-level Policy Specification Language: HERMES", *Innovation Showcase – University of Idaho*, Moscow, Idaho, USA, Apr. 2016.
48. "Analysis of Liver Disorder Prediction by Implementation of Data Mining, using WEKA Tool", *Computer Society of India 2015 Conference*, Hyderabad, India, Feb. 2015.

POSTER PRESENTATIONS:

1. "PORTRAIT Tool for Streamlining Assessment of Team Software Projects", *56th Annual Technical Symposium for Association of Computing Machinery Special Interest Group in Computer Science Education (ACM SIGCSE TS)*, Pittsburg, Pennsylvania, USA, February 2025.

2. "HESTIA: Adversarial Modeling and Risk Assessment for CPCS", *27th UIdaho Annual Engineering Expo*, Moscow, Idaho, USA, April 2019.
3. "HESTIA: Adversarial Modeling and Risk Assessment for CPCS", *5th Cybersecurity Symposium (CYBERSEC)*, Coeur d'Alene, Idaho, USA, April 2018.
4. "HESTIA: High-level and Extensible System for Training and Infrastructure risk Assessment", *CREDC Pacific Northwest Industry Workshop*, Pacific Northwest National Lab - Richland, Washington, USA, November 2017.

ACADEMIC SERVICE:

1.	Chair, ABET assessment committee for EECS, WSU	Jan. 2026 – Present
2.	Voting faculty member, Research and Arts Faculty Senate Committee, WSU	Aug. 2025 – Present
3.	Voting faculty member, Honors program advisory council, WSU	Aug. 2025 – Present
4.	Voting faculty member, Curriculum committee for Data Analytics program, WSU	Aug. 2020 – Present
5.	IT Task Force Chair, Voiland College of Engineering	Apr. 2024 – Present
6.	Computing programs representative, Experience WSU recruitment events	Jan. 2025 – Present
7.	Chair, IEEE Computer Society Palouse Chapter	Jan. 2023 – Present
8.	Voting faculty member, ABET assessment committee for EECS, WSU	Jun. 2023 – Dec. 2025
9.	Voting faculty member, Reid Miller Award Committee, WSU	'25
10.	Faculty judge, Undergraduate Research Award Committee at WSU	'25, '26
11.	Faculty judge, WSU EECS Capstone Poster Competitions	'25, '26
12.	Faculty judge, Annual Digital Hackathon for AgAID Institute	'25
13.	Faculty judge, Showcase for Undergraduate Research and Creative Activities at WSU	'23, '24, '25, '26
14.	Voting faculty member, Faculty hiring committee for Cybersecurity program, WSU	March 2025 – May 2025
15.	Voting faculty member, Faculty hiring committee for Data Analytics program, WSU	Aug. 2022 – May 2025
16.	Faculty judge, ACM Crimson Code Hackathon, WSU	2021, 2022, 2023
17.	Research advisor, Brownfield Project, IUSE program of NSF	Aug. 2020 – Aug. 2023
18.	Cybersecurity Curriculum Task Force Chair, School of EECS	Jun. 2022 – Jun. 2023
19.	President (Elected), Graduate & Prof. Student Assoc., UIdaho	May 2018 – May 2019
20.	Vice President (Elected), Graduate & Prof. Student Assoc., UIdaho	May 2017 – Apr. 2018
21.	Finance Director (Appointed), Graduate & Prof. Student Assoc., UIdaho	May 2016 – Apr. 2017
22.	Voting member, Graduate Council, UIdaho	Jan. 2019 – May. 2019
23.	Voting member, Sustainability Center's Funding Board, UIdaho	Aug. 2018 – Dec. 2018
24.	Voting member, Ombudsperson Search Committee, UIdaho	May 2018 – Aug. 2018
25.	Voting member, Student Activity Fee Committee, UIdaho	Jan. 2018 – May 2018
26.	Mentor, Cybersecurity Defense Club, UIdaho	May 2016 – Apr. 2017
27.	Voting member, University Budgeting and Finance Committee, UIdaho	May 2016 – Apr. 2017
28.	Systems Administrator, Reconfig. Attk-Def. Instruct. Comp. Lab. (RADICL), UIdaho	Jan. 2016 – Aug. 2016
29.	Senator – Computer Science Dept. (Elected), Graduate & Prof. Student Assoc., UIdaho	May 2015 – Apr. 2016
30.	Invited panelist, Grad 101 Workshop Series, UIdaho	Aug. 2017 – Dec. 2017

CONSULTING SERVICE:

1.	Cybersecurity Advisor, Department of Cybersecurity, Jordan University of Sci & Tech (JUST)	2025 – Present
2.	International Advisor, Department of Computer Science, Qassim University (QU)	2025 – Present
3.	Programs Advisor, Computing Directorate, Jawaharlal Nehru Tech University (JNTU)	2024 – Present
4.	Academic Consultant, Pacific Northwest Defense Coalition (PNDC)	2023 – Present
5.	Higher-Ed Consultant, Advanced Technology Academic Research Center (ATARC)	2022 – Present

EDITORIAL BOARD SERVICE:

1.	Guest Editor, Special Issue: Intelligent Sensors for Security & Attack Detection, *Sensors*	2026 – 2027

PEER REVIEW SERVICE:

1.	Transactions on Computing Education, ACM	2025 – Present
2.	Proceedings of SIGCSE Annual Technical Symposium, ACM	2020 – Present
3.	Journal of Information Technology for Teacher Education, a Taylor & Francis journal	2018 – Present
4.	Computers and Security, an Elsevier journal	2016 – Present

5. Proceedings of CCSC Northwest Region, ACM 2016 – Present
6. Hawaii International Conference on System Sciences, University of Hawaii 2016 – 2021
7. International Journal of Information Security, a Springer journal 2016 – 2019
8. Cybersecurity Symposium, University of Idaho 2016 – 2019
9. National Cybersecurity Summit, Huntsville, Alabama 2016 – 2017
10. Software, an IEEE journal 2016 – 2017

HONOR SOCIETIES:

1. Sigma Xi, member for life through invitation Since 2023
2. Phi Kappa Phi, member for life through invitation Since 2018

PROFESSIONAL ORGANIZATION MEMBERSHIPS:

1. The Escal Institute of Advanced Technologies (SANS Institute), member Since 2018
2. Information Systems Security Association (ISSA), member Since 2017
3. IEEE Computer Society, member Since 2016
4. IEEE Computational Intelligence Society, member Since 2016
5. Institute of Electrical and Electronic Engineers (IEEE), member Since 2015
6. Association of Computing Machinery (ACM), member Since 2015

EXTRA-CURRICULAR VOLUNTEER SERVICE:

1. Instructor, Merit Badge University, Scouting America Aug. 2025 – May 2026
2. Education & Scholarship ministry, Humanists of the Palouse Jan. 2020 – Dec. 2025
3. Recycling branch, University of Idaho Sustainability Center Jan. 2016 – Jan. 2020
4. International Program Office, University of Idaho Sep. 2015 – Dec. 2017
5. International Student Fellowship, University of Idaho chapter Sep. 2015 – July 2016
6. International Host Community, University of Idaho Sep. 2015 – July 2016
7. University of Idaho Indian Students Association Aug. 2015 – July 2016
8. Lead India 2020 National Club Mar. 2013 – Mar. 2014

LIST OF REFERENCES:

Available upon request, please email ajillepalli@ieee.org