

Sepideh Ghanavati

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EDUCATION	Ph.D. in Computer Science , University of Ottawa, Ottawa, ON, Canada	2013
	M.Sc. in System Science , University of Ottawa, Ottawa, ON, Canada	2007
	B.Sc in Industrial and System Engineering , Amirkabir University of Technology, Tehran, Iran	2003
RESEARCH AND PROFESSIONAL EXPERIENCE	Associate Professor with tenure , University of Maine, Orono, ME, USA	09/2024 – Present
	Faculty Affiliate , UMaine AI Initiative	
	Faculty Affiliate , Canadian-American Center	
	Director , Privacy Engineering - Regulatory Compliance Lab (PERC_Lab)	
	Assistant Professor , University of Maine, Orono, ME, USA	09/2018 – 09/2024
	Assistant Professor , Texas Tech University, Lubbock, TX, USA	09/2016 – 09/2018
	Director , Privacy Engineering - Regulatory Compliance Lab	
	Visiting Assistant Professor , Radboud University, Nijmegen, The Netherlands	02/2016 – 07/2016
	Worked with Dr. Jaap-Henk Hopemann	
	Visiting Faculty , Carnegie Mellon University, Pittsburgh, PA, USA	02/2015 – 06/2015
	Worked with Dr. Travis Breaux	
	Postdoctoral Research Fellow , Luxembourg Institute of Science and Technology	01/2014 – 12/2015
	Funded by AFR Grant in Luxembourg - Under the Marie Curie Grant	
	Visiting Researcher , Fondazione Bruno Kessler (FBK), Trento, Italy	02/2010 – 04/2010
	Worked with Dr. Angelo Susi	
	Research Assistant , University of Ottawa, Ottawa, ON, Canada	01/2005 – 04/2013
	Worked with Dr. Daniel Amyot and Dr. Liam Peyton	
INDUSTRY EXPERIENCE	Senior Project Manager , e-Dealer, Toronto, ON, Canada	05/2013 – 12/2013
	Senior Technical Business Analyst , eHealth Ontario, Toronto, ON, Canada	06/2011 – 05/2013
TEACHING EXPERIENCE	Instructor , University of Maine, Orono, ME, USA	2018 – Present
	• <u>Spring 2019 – 2024</u> Introduction to Software Engineering (COS420 & COS520) Introduction to Cybersecurity (COS430 & 530)	
	• <u>Fall 2019 – 2024</u> Information Privacy Engineering (COS435 & 535) Introduction to Private AI – Privacy in Machine Learning (COS475 & 575)	
	Guest Lecturer , University of Maine, Orono, ME, USA	2018 – Present
	• <u>Fall and Spring 2019, Fall 2020, Spring 2023</u> Capstone Project 1 (COS397) and Capstone Project 2 (COS497)	

- Guest Lecturer**, University of Maine - School of Law - Portland, ME, USA Fall 2022
- Cybersecurity Law and Policy (LAW 770)
- Instructor**, Texas Tech University, Lubbock, TX 2016 – 2018
- Fall 2016 & Spring 2018 – Software Engineering I (CS3365) and Software Engineering II (CS4365)
 - Fall 2017 – Computer Science Graduate Seminar (CS5120)
 - Fall 2016 & 2017 – Engineering Privacy in Software Systems (CS4331 & CS5332)
 - 2017-2018 – Individual Studies in Computer Science (CS4000) – Undergraduate Elective
- Guest Lecturer**, Blekinge Institute of Technology (BTH), Karlskrona, Sweden December 2014
- Course Title: Legal Requirements Engineering Course
 - Title: Legal- URN Framework - A Legal Compliance Management Framework
- Guest Lecturer**, Centre de Recherche Henri Tudor, Luxembourg March 2014
- Course Title: Requirements Engineering Course (Master's Level)
 - Title: Introduction to URN and jUCMNav

GRANTS AND SPONSORSHIPS **PI: National Science Foundation** – 2025 - 2028 NSF Collaborative Research: SHF: Small: Enabling Dialogue Systems for Non-Functional Requirements - Award CCF-#2442682
Amount: \$609,911

PI: National Science Foundation – 2023 – 2028
 NSF CAREER: A Holistic Developer-Centered Approach to Enhance Privacy for Data-Driven Applications - Award #2238047
Amount: \$674,804

PI: Google's Privacy-Related Faculty Award – 2021 – 2022 (Unrestricted Gift)
 Evaluating Developers' Privacy Comprehension During Mobile Applications Development Process
Amount: \$70,000

PI: Google Faculty Award – 2018 – 2019 (Unrestricted Gift) – **acceptance rate = 14%**
 Privacy Statements' Recommender System based on Permission Methods of Android Applications
Amount: \$32,285

PI: Maine Technology Institute – MIRT - Accelerator Research Program – 2024
 PriGen: Automated Privacy Generator for Privacy Policies Virtual Assistant
Amount: \$25,000

PI: UMaine Faculty Research Fund – 2022
 Developers' Privacy Comprehension through Automated Classification of Privacy Behaviors in Software Applications
Amount: \$8,000

PI: UMaine EMPOWER Mentee Award – 2021 - 2022
 Developing AI-Based Privacy Enhancing Techniques for Smart Applications and Smart Devices
Amount: \$10,000

Co-PI: UMaine AI Initiative – 2020 – 2021
 Advancing Legal-Technological Approaches for Protecting Privacy Rights and Civil Liberties in the Age of Big Data
 PI: Harlan Onsrud, Co-PIs: Chaofan Chen, Sepideh Ghanavati, Manuel Woersdoerfer
 Collaborators: Peter Guffin and James Campbell
Amount: \$60,000

PI: NCWIT Main Affiliate – 2021 – 2023
 Outreach Activity – NCWIT Aspirations in Computing Affiliate Support Fund
Amount: \$2,400

PI: Fond Nationale de la Recherche de Luxembourg, Luxembourg – 2014 – 2015

Post-doctoral Marie Curie Grant

Amount: 112,000 Euros

PI: NSERC, Canada – 2010 – 2012

Canada Graduate Scholarship (CGS-D)

Amount: 70,000 CAD

OTHER GRANTS	UMaine Research – Faculty Travel Awards – \$2,400	2019, 2023 & 2024
AND	MIT - NSF I-Corps – Fund to attend NSF I-Corps Broadening Participation Summit – \$500	2023
SPONSORSHIPS	University of Maine – Nominated for Faculty Mentorship Award	2022
	Google – Google’s Cloud Platform Credits – \$16,000	2019, 2020, & 2023
	Bangor Savings Bank/LuRosso – Travel Award – \$2,000	2018
	University of Maine, USA – Vice President Support – \$134,780	2018
	Texas Tech University, USA – Startup Package – \$258,576	2016
	National Science Foundation – NSF Support Grant for Junior Researchers – CNS-1257011 – Schloss Dagstuhl – Dagstuhl Seminar 18171, “Normative Multi-Agent Systems” – \$2,000,	2017
	Carnegie Mellon University, USA – Visiting Researcher Support – \$21,000	2015
	OSAP – Ontario Graduate Scholarship – OGS – 15,000 CAD	2011 – 2012
	NSERC, Canada – Michael Smiths Foreign Study Supplements Program – 6,000 CAD	2010
	University of Ottawa, Canada – UO Excellence Scholarship – 94,000 CAD	2009 – 2012
	University of Ottawa, Canada – Admission Scholarship – 60,000 CAD	2007 – 2009
AWARDS AND HONORS	RE’24 Conference – Challenge Award for Research Track – Expanding the Frontiers of RE	2024
	Selected for the CRA-CCC Leadership in Science Policy Institute Program	2023
	NSF CAREER Award	2021
	Google Privacy-related Faculty Award	2021
	Best Short Talk at IEEE S&P 2020 – together with Vijayanta Jain (PhD student)	2020
	Google Faculty Award	2019
	Best Paper Award at MCeTech Conference	2007
GRANTS	PI: National Science Foundation – 2026 – 2029	
UNDER REVIEW	Collaborative Research: SaTC 2.0: RES: Leveraging Knowledge of Privacy Policy Generators Toward Analysis of Legal Compliance and App Behavior Consistency <i>Under review - Since September 2025</i> <u>Amount:</u> \$599,781	
INVITED ONLY	Dagstuhl Seminar 25021	01/05/2025 – 01/10/2025
WORKSHOPS & EVENTS	Grand Challenges for Research on Privacy Documents	
	Inria Research Center - Workshop	12/12/2024 – 12/13/2024
	Better Regulation of Online Tracking with Transdisciplinary Research	
	2024 NSF DASS Workshop	11/18/2024 – 11/19/2024
	Designing Accountable Software Systems (DASS) Workshop	

REFEREED
JOURNAL
PUBLICATIONS

- [1] W. Baldwin, S. Ghanavati, and M. Woersdoerfer, Understanding Ethical Practices in AI: Insights from a Cross-Role, Cross-Region Survey of AI Development Teams. arXiv preprint arXiv:2508.09219, *Submitted to Transaction of Software Engineering & Methodology*, **Under review**, 2025.
- [2] D. Amyot, M. Baslyman, S. Ghanavati, M. Ghasemi, J. Hassine, L. Lessard, G. Mussbacher, and E. Yu, Combining Goal modelling with Business Process modelling: Two Decades of Experience with the User Requirements Notation Standard, *Journal of Enterprise Modelling and Information Systems Architectures (EMISAJ)*, Special Issue on 100 Years of Graphical Business Process Modelling, V. 17(2022), Published on 2022-03-17, DOI: <https://doi.org/10.18417/emisa.17.2>.
- [3] M. van Zee, F. Bex, and S. Ghanavati, RationalGRL: A Framework for Argumentation and Goal Modeling, *Argument & Computation Journal*, IOS Press, Published, Journal of Argument and Computation, November 2020. (**IF (2024): 1.7**)
- [4] L. Humphreys, G. Boella, L. van der Torre, L. Robaldo, L. Di Caro, S. Ghanavati, and R. Muthuri, Populating Legal Ontologies using Semantic Role Labeling, *Springer Journal of Artificial Intelligence and Law (ARTI)*, Published, June 24th, 2020. (**IF (2023): 3.6**)
- [5] S. Ghanavati, A. Siena, D. Amyot, A. Perini, L. Peyton, and A. Susi, Integrating Business Strategies with Requirement Models of Legal Compliance, *International Journal of Electronic Business*, Inderscience Publishers, Vol. 8, No. 3, pp 260-280, 2010. DOI: 10.1504/IJEB.2010.034171. (**IF (2023): 5.7**)
- [6] D. Amyot, S. Ghanavati, J. Horkoff, G. Mussbacher, L. Peyton, and E. Yu, Evaluating Goal Models within the Goal-oriented Requirement Language, *International Journal of Intelligent Systems*, John Wiley & Sons, Vol. 25, No. 8, pp 841-877, 2010. DOI: 10.1002/int.20433. (**IF (2023): 5.0, acceptance rate = 17%**)
- [7] A. Pourshahid, P. Chen, D. Amyot, A.J. Forster, S. Ghanavati, L. Peyton, and M. Weiss, Business Process Management with the User Requirements Notation, *Electronic Commerce Research*, Springer, Vol. 9 No. 4, pp 269-316, 2009. (**IF (2023): 3.7**)
- [8] L. Peyton, S. Ghanavati, and D. Amyot, Designing for Privacy Compliance and Performance Management in Health Care, *Design Principles and Practices: An International Journal*, Vol. 1, Number 3, Common Ground, 2007, 13-25.

REFEREED
CONFERENCE
AND WORKSHOP
PUBLICATIONS

- [9] S. Haghighi, C. LaChance, A. Pourghasemi Fatideh, T. Breaux, and S. Ghanavati, How Public Forums Supplement Corporate Privacy Compliance: A Reddit Study, *Submitted to USENIX 2026*, Under Review, 2025.
- [10] C.-Y. Su, V. Jain, A. Bansal, S. Ghanavati, S. T. Peddinti, and C. McMillan, What code statements implement, privacy behaviors in android applications?, *Submitted to AsiaCCS*, Under Review, 2025.
- [11] W. Baldwin, S. Chintakuntla, S. Parajuli, A. Pourghasemi, R. Shanz, and S. Ghanavati. Generating Privacy Stories From Software Documentation, *In Proceedings of the 33rd International Requirements Engineering Conference*, Valencia, Spain, September 2025.

- [12] M. Prybylo, S. Haghighi, S. T. Peddinti, and S. Ghanavati, Evaluating Privacy Perceptions, Experience, and Behavior of Software Application Developers, *In Proceedings of the Twentieth Symposium on Usable Privacy and Security (SOUPS 2024)*, pp. 101–120, **acceptance rate = 21%**, 2024.
- [13] S. Santos, T. D. Breau, T. B. Norton, S. Haghighi, and S. Ghanavati, Requirements Satisfiability with In-Context Learning, *In Proceedings of The 32nd IEEE Requirements Engineering Conference (RE'24)*, **acceptance rate = 19%**, 2024. (**Challenge Award for Research Track**)
- [14] S. Santos, S. Haghighi, S. Ghanavati, T. D. Breau, and T. B. Norton, Patterns of Inquiry in a Community Forum for Legal Compliance with Privacy Law, *In 2024 IEEE 32nd International Requirements Engineering Conference Workshops (REW)*, pp. 251-259, IEEE, 2024.
- [15] K. C. Pragyan, R. Ghandiparsi, S. Ghanavati, R. Slavin, T. D. Breau, and M. Bokaei Hosseini, Toward Regulatory Compliance: A few-shot Learning Approach to Extract Processing Activities, *In 2024 IEEE 32nd International Requirements Engineering Conference Workshops (REW)*, pp. 241-250, IEEE, 2024.
- [16] C. Y Su, A. Bansal, V. Jain, S. Ghanavati, and C. McMillan, A Language Model of Java Methods with Train/Test Deduplication, *In Proceedings of the ESEC/FSE 2023 Demonstration track*, 2023.
- [17] Z. Delile, S. Radel, J. Godinez, G. Engstrom, T. Brucker, K. Young, and S. Ghanavati, Evaluating Privacy Questions From Stack Overflow: Can ChatGPT Compete?, *ESPRE Workshop at RE Conference 2023*, Accepted, July 8th 2023.
- [18] V. Jain, S. Ghanavati, S. T. Peddinti, and C. McMillan, Towards Fine-Grained Localization of Privacy Behaviors, *In Proceedings of the 8th IEEE European Symposium on Security and Privacy (Euro S&P'23, Delft, July 3-7, 2023. acceptance rate = 21%*
- [19] J. Parsons, M. Schrider, O. Ogunlela and S. Ghanavati, Understanding Developers Privacy Concerns Through Reddit Thread Analysis, *In: A. Ferrari, B. Penzenstadler, I. Hadar, S. Oyedeji, S. Abualhaija, A. Vogelsang, G. Deshpande, A. Rachmann, J. Gulden, A. Wohlgemuth, A. Hess, S. Fricker, R. Guizzardi, J. Horkoff, A. Perini, A. Susi, O. Karras, A. Moreira, F. Dalpiaz, P. Spoletini, D. Amyot. Joint Proceedings of REFSQ-2023 Workshops, Doctoral Symposium, Posters & Tools Track, and Journal Early Feedback Track. Co-located with REFSQ 2023. Barcelona, Spain, 2023.*
- [20] V. Jain, S. D. Gupta, S. Ghanavati, S. T. Peddinti, and C. McMillan, PAcT: Detecting and Classifying Privacy Behavior of Android Applications. *In Proc. of the 15th ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec '22)*, ACM, USA, 104–118, 2022. **acceptance rate = 26%**
- [21] S. D. Gupta, A. Nygaard, S. Kaplan, and S. Ghanavati, A Two-Folded Survey to Understanding the Degree of Sensitivity of the Collected Information in the IoT, *In Proceedings of the Second International Symposium on Emerging Information Security and Applications (EISA 2022)*, 2022.
- [22] S. Kaplan, D. Bulmer, A Gosselin, and S. Ghanavati, Lattice-based Contextual Integrity Analysis of Social Network Privacy Policies, *In the 8th International Workshop on Evolving Security & Privacy Requirements Engineering (ESPRE) at RE 2021*, 2021.
- [23] S.D. Gupta, S., A. Nygaard, S. Kaplan, V. Jain, and S. Ghanavati, PHIN: A Privacy Protected Heterogeneous IoT Network, *In the 15th International Conference on Research Challenges in Information Science (RCIS2021)*, Cyprus, 2021. **acceptance rate = 28%**
- [24] V. Jain, S.D. Gupta, S. Ghanavati, and S.T. Peddinti, PriGen: Towards Automated Translation of Android Applications' Code to Privacy Captions, *In the 15th International Conference on Research Challenges in Information Science (RCIS2021)*, Cypress, 2021.

- [25] L. Humphreys, G. Boella, L. Di Caro, L. Robaldo, L. van der Torre, S. Ghanavati and R. Muthuri, Populating Legal Ontologies using Semantic Role Labeling, *In Proceedings of the 12th Conference on Language Resources and Evaluation (LREC 2020)*, pages 2157-2166, France, 2020.
- [26] S. Sartoli, S. Ghanavati, and A. Siami Namin, Towards Variability-Aware Legal-GRL Framework for Modeling Compliance Requirements, *In the 7th International Workshop on Evolving Security & Privacy Requirements Engineering (ESPRE) at RE'20*, Zurich, Switzerland.
- [27] S. Sartoli, S. Ghanavati, and A. Siami Namin, Compliance Requirements Checking in Variable Environments, *In 2020 IEEE 44th Annual Computers, Software, and Applications Conference (COMPSAC)*, Extended Abstract, 1093-1094, 2020.
- [28] V. Jain and S. Ghanavati, Is It Possible to Preserve Privacy in the Age of AI?, *In Proceedings of the PrivateNLP 2020: Workshop on Privacy in Natural Language Processing - Colocated with WSDM 2020, CEUR Workshop Proceedings*, Pages 32-36, Houston, TX, Feb. 2020.
- [29] S.D. Gupta and Sepideh Ghanavati, Towards a heterogeneous IoT privacy architecture, *In the 35th ACM/SIGAPP Symposium on Applied Computing*, Czech Republic, 2020. **acceptance rate = 30%**
- [30] A. Rabinia, S. Ghanavati, L. Humphreys and T. Hahmann, A Methodology for Implementing the Formal Legal-GRL Framework: A Research Preview, *In the 26th International Working Conference on Requirements Engineering: Foundation for Software Quality*, pp 124-131, Italy, 2020. **acceptance rate = 25%**
- [31] A. Rabinia, M. Dragoni, and S. Ghanavati, Towards Integrating the FLG Framework with the NLP Combinatory Framework, *In Proc. of the PAL: Privacy-Enhancing Artificial Intelligence and Language Technologies, As Part of the AAAI Spring Symposium Series (AAAI-SSS'19)*, USA, 2019.
- [32] S. Maitra, B.Suh and S. Ghanavati, Privacy Consistency Analyzer for Android Applications, *In Proceeding of the 5th International Workshop on Evolving Security & Privacy Requirements Engineering (ESPRE'18) in conjunction with RE'18*, Banff, Canada, August 2018.
- [33] A. Rabinia and S. Ghanavati, The FOL-based Legal-GRL (FLG) Framework: Towards an Automated Goal Modeling Approach for Regulations, *In Proceedings of the Eighth International Model-Driven Requirements Engineering (MoDRE'18) workshop in conjunction with RE'18*, Banff, Canada, August 2018. **acceptance rate = 31%**
- [34] A. K. Massey, E. Holtgreffe and S. Ghanavati, Modeling Regulatory Ambiguities for Requirements Analysis, *In Proceeding of the 36th International Conference on Conceptual Modeling (ER'17)*, Spain, November 2017, **acceptance rate = 25%**.
- [35] P. Shayegh and S. Ghanavati, Toward an Approach to Privacy Notices in IoT, *In Proceeding of the 4th International Workshop on Evolving Security & Privacy Requirements Engineering (ESPRE'17)*, Lisbon, Portugal, September 2017.
- [36] A. Rabinia, and S. Ghanavati, FOL-based Approach for Improving Legal-GRL Modeling Framework - A Case for Requirements Engineering of Legal Regulations of Social Media, *In Proceeding of the 10th International Requirements Engineering and Law Workshop (RELAW'17)*, Lisbon, Portugal, September 2017.
- [37] S. Ghanavati, M. van Zee, and F. Bex, Argumentation-based Methodology for Goal-oriented Requirements Language (GRL), *In Proceedings of the 10th International iStar Workshop (iStar'17)*, Essen, Germany, June 2017.
- [38] D. Marosin, and S. Ghanavati, Semi-formal Evaluation of Architecture Design Based on Architecture Principles, *In Proc. of the 10th International iStar Workshop (iStar'17)*, Germany, 2017.

- [39] M. van Zee, D. Marosin, F. Bex, and S. Ghanavati, RationalGRL: A Framework for Rationalizing Goal Models from Argument Graphs, *In Proceeding of the 35th International Conference on Conceptual Modeling (ER'16)*, Gifu, Japan, November 2016. **acceptance rate = 20%**
- [40] M. Colesky and S. Ghanavati, Privacy Shielding by Design - A Strategies Case for Near-Compliance, *In the 9th IEEE International Workshop on Requirements Engineering and Law (RELAW'16)*, Beijing, China, September 2016.
- [41] M. van Zee, D. Marosin, Bex, F. and S. Ghanavati, The RationalGRL toolset for Goal Models and Argument Diagrams, *In Proceeding of the 6th International Conference on Computational Models of Argument (COMMA'16) as a DEMO ABSTRACT*, Extended Abstract, Germany, 2016.
- [42] D. Marosin, M. van Zee, and S. Ghanavati, Formalizing and Modeling Enterprise Architecture (EA) Principles with Goal-oriented Requirements Language (GRL), *In Proceedings of the 28th International Conference on Advanced Information System Engineering (CAiSE16)*, Slovenia, June 2016. **acceptance rate = 16%**
- [43] S. Ghanavati, and T.D. Breaux, Comparing and Analyzing Definitions in Multi-Jurisdictions, *In the 8th IEEE Int. Workshop on Requirements Engineering and Law (RELAW'15)*, Canada, 2015.
- [44] D. Marosin, and S. Ghanavati, Measuring and Managing the Design Restriction of Enterprise Architecture (EA) Principles on EA models, *In the 8th IEEE International Workshop on Requirements Engineering and Law (RELAW'15)*, Ottawa, Canada, 2015.
- [45] M. van Zee, F. Bex, and S. Ghanavati, Rationalization of Goal Models in GRL using Formal Argumentation, *In RENext! @ 23rd International IEEE Requirements Engineering Conference (RE'15)*, Ottawa, Canada, August 2015. **acceptance rate = 20%**
- [46] L. Humphreys, G. Boella, L. Robaldo, L. Di Caro, L. Cupi, S. Ghanavati, R. Muthuri, and L. Van der Torre, Classifying and Extracting Elements of Norms for Ontology Population using Semantic Role Labelling, *In 2015 Workshop on Automated Detection, Extraction and Analysis of Semantic Information in Legal Texts in Conjunction to ICAIL'15*, San Diego, US, 2015.
- [47] S. Ghanavati and J. Hulstijn, Impact of Legal Interpretation in Business Process Compliance, *In TELERISE'15 Workshop*, In ICSE'15 Workshop, Italy, 2015.
- [48] M. van Zee and S. Ghanavati, Capturing Evidence and Rationales with Requirements Engineering and Argumentation-Based Techniques, *In the 26th BENELUX Conference ON Artificial Intelligence (BNAIC'14)*, Nijmegen, Netherlands, 2014.
- [49] S. Ghanavati, S. Ingolfo, and A. Siena, Exploring Legal Business Process Alternatives, *In the 7th IFIP WG 8.1 working conference on the Practice of Enterprise Modelling (POEM'14)*, Manchester, UK, 2014. **acceptance rate = 25%**
- [50] S. Ghanavati, R. Muthuri, A. Rifaut, L. Humphreys, and G. Boella, The Role of Power in Legal Compliance, *In the 7th Int. Workshop on Requirements Engineering and Law (RELAW)*, Karlskrona, Sweden, Extended Abstract, 2014.
- [51] S. Ghanavati, L. Humphreys, G. Boella, L. Di Caro, L. Robaldo, and L. van der Torre, Business Process Compliance with Multiple Regulations, *In Proceeding of the 33rd International Conference on Conceptual Modeling (ER'14)*, USA, 2014. **acceptance rate = 25%**
- [52] S. Ghanavati, D. Amyot, A. Rifaut, and E. Dubois, Goal-Oriented Compliance with Multiple Regulations, *In the 22nd IEEE International Requirements Engineering Conference (RE'14)*, Karlskrona, Sweden, 2014, **acceptance rate = 26%**.
- [53] D. Marosin, S. Ghanavati, and D. van der Linden, A Principle-based Goal-oriented Requirements Language (GRL) for Enterprise Architecture, *In the 7th International i* Workshop (iStar'14)*,

Thessaloniki, Greece, In conjunction with CAiSE' 14, 2014.

- [54] G. Boella, S. Colombo Tosatto, S. Ghanavati, J. Hulstijn, L. Humphreys, R. Muthuri, A. Rifaut, and L. van der Torre, Integrating Legal-URN and Eunomos: Towards a Comprehensive Compliance Management Solution, *In Proceeding of Artificial Intelligence and the Complexity of Legal Systems (AICOL)*, 2014.
- [55] S. Ghanavati, D. Amyot, and A. Rifaut, Legal Goal-oriented Requirement Language (Legal GRL) for Modeling Regulations, *In Workshop on Modeling in Software Engineering @ICSE2014 (MiSE)*, Hyderabad, India, 2014.
- [56] A. Rifaut and S. Ghanavati, Measurement-Oriented Comparison of Multiple Regulations with GRL, *In the 5th Int. Workshop on Requirements Engineering and Law (RELAW)*, USA, 2012.
- [57] S. Ghanavati, D. Amyot and L. Peyton, A Systematic Review of Goal-oriented Requirements Management Frameworks for Business Process Compliance, *In the 4th Int. Workshop on Requirements Engineering and Law (RELAW)*, Trento, Italy, August 2011.
- [58] D. Amyot, G. Mussbacher, S. Ghanavati, and J. Kealey, GRL Modeling and Analysis with jUCMNav, *In the 5th Int. i* Workshop*, Trento, Italy, August 2011.
- [59] S. Ghanavati, A. Siena, D. Amyot, A. Susi, and A. Perini, Towards a Framework for Business Process Compliance, *In the International Workshop on Goal-based Business Process Engineering (WGBP'10)*, Vitoria, ES, Brazil, October 2010.
- [60] S. Ghanavati, A. Siena, D. Amyot, D., A. Susi, and A. Perini, Making Business Processes Law-Compliant, *In the First Workshop on Law Compliancy Issues in Organisational Systems and Strategies (iComply'10)*, Fiesole, Firenze, Italy, July 2010.
- [61] S. Ghanavati, D. Amyot and L. Peyton, Compliance Analysis Based on a Goal-oriented Requirement Language Evaluation Methodology, *In the 17th IEEE International Requirements Engineering Conference (RE'09)*, Atlanta, USA, September 2009. 133-142. **acceptance rate = 21 %**.
- [62] S. Ghanavati, A. Siena, A. Perini, D. Amyot, L. Peyton, and A. Susi, A Legal Perspective on Business: Modeling the Impact of Law, *In the 4th International MCETech Conference on eTechnologies*, Canada, May. LNBIP, Springer, 267-278, 2009.
- [63] G. Mussbacher, S. Ghanavati, and D. Amyot, Modeling and Analysis of URN Goals and Scenarios with jUCMNav, *In Research demo at the 17th IEEE International Requirements Engineering Conference (RE'09)*, Atlanta, USA, September 2009. **acceptance rate = 18 %**.
- [64] S. Ghanavati, D. Amyot and L. Peyton, Comparative Analysis between Document-based and Model-based Compliance Management Approaches, *In the First Int. Workshop on Requirements Engineering and Law (RELAW 2008)*, Barcelona, Spain, September. IEEE, 35-39, 2008.
- [65] A. Pourshahid, P. Chen, D. Amyot, D., A.J. Forster, S. Ghanavati, L. Peyton, and M. Weiss, Toward an integrated User Requirements Notation framework and tool for Business Process Management, *In the 3rd Int. MCETech Conference on eTechnologies*, Montréal, Canada, January 2008. IEEE Computer Society, 3-15. **(Best Paper Award)**.
- [66] S. Ghanavati, D. Amyot and L. Peyton, Towards a Framework for Tracking Legal Compliance in Healthcare, *In the 19th Int. Conf. on Advanced Information Systems Engineering (CAiSE'07)*, Trondheim, Norway, June. LNCS 4495, Springer, 218-232, 2007, **acceptance rate = 13 %**.
- [67] S. Ghanavati, D. Amyot and L. Peyton, A Requirements Management Framework for Privacy Compliance, *In Proceedings of the 10th Workshop on Requirements Engineering (WER'07)*, Toronto, Canada, 149-159.

BOOK
CHAPTERS

- [68] D. Marosin and S. Ghanavati, Steering Transformations with Architecture Principles, *In: H. A. Proper, R. Winter, S. Aier and S. de Kinderen (Eds), Architectural Coordination of Enterprise Transformation*, Springer LNCS, Page 147-151, 2017.
- [69] D. Marosin and S. Ghanavati, Principle-Based Goal-Oriented Requirements Language, *In: H. A. Proper, R. Winter, S. Aier and S. de Kinderen (Eds), Architectural Coordination of Enterprise Transformation*, Springer LNCS, Page 235-247, 2017.
- [70] A. Pourshahid, L. Peyton, S. Ghanavati, D. Amyot, P. Chen, and M. Weiss, Model-Based Validation of Business Processes. *In: V. Shankararaman, J.L. Zhao and J.K. Lee (Eds), Business Enterprise, Process, and Technology Management: Models and Applications*, Business Science Reference, IGI Global, USA, pp. 165-183, 2012. DOI: 10.4018/978-1-46660-249-6.

EDITED
VOLUMES

- [71] J. Frattini, S. Ghanavati, and Q. Mortger, Preface: the 12th International Workshop on Artificial Intelligence and Requirements Engineering (AIRE'25), *In Proceedings of 12th International Workshop on Artificial Intelligence and Requirements Engineering (AIRE'25)*, September 2025.
- [72] S. Ghanavati, D. Ki-Aries, S.-W. Lee, M. Salnitri, Preface: Welcome to the 12th International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE'25), *In Proceedings of the 12th International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE'25)*, September 2025.
- [73] S. Ghanavati, I. Habernal, T. Igamberdiev, V. Jain, S. Wilson, The Sixth Workshop on Privacy in Natural Language Processing, *In Proceedings of the Sixth Workshop on Privacy in Natural Language Processing*, May 2025.
- [74] I. Habernal, S. Ghanavati, A. Ravichander, V. Jain, P. Thaine, T. Igamberdiev, N. Miresghallah, O. Feyisetan, The Fifth Workshop on Privacy in Natural Language Processing, *In Proceedings of the Fifth Workshop on Privacy in Natural Language Processing*, Aug. 2024.
- [75] S. Ghanavati, D. Ki-Aries, S.-W. Lee, M. Salnitri, Preface: Welcome to the Eleventh International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE'24), *In Proceedings of the Eleventh International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE'24)*, June, 2024, pp. 230-230.
- [76] S. Abualhaija, C. Arora, D. Dell'Anna, A. Ferrari, and S. Ghanavati, Preface: 7th Workshop on Natural Language Processing for Requirements Engineering (NLP4RE'24), Workshop on Natural Language Processing for Requirements Engineering, *As part of the REFSQ Working Conf.*, 2024.
- [77] H. Hibshi, D. Ki-Aries, S. W. Lee, M. Salnitri, R. Ali, A. Atzeni, Sh. Faily, R. Gandhi, S. Ghanavati, Jane Henrikson-Bulmer, Christos Kalloniatis, Tong Li, Raimundas Matulevicius, N. Mead, M. Ochoa, F. Paci, J. Park, A. Pasic, H. Schmidt, I. Singh, R. Slavin, N. Zannone, *the Ninth International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE'22), 30th IEEE International Requirements Engineering Conference Workshops*, REW October 2022.
- [78] O. Feyisetan, S. Ghanavati, P. Thaine, F. Miresghallah, I. Habernal, *Proceedings of the Third Workshop on Privacy in NLP, As Part of 2022 The Association for Computational Linguistics, NAACL'2022 Conference*, 2022.
- [79] S. Ghanavati, N. Niu, G. Mussbacher, J. Araujo, P. Sanchez, *The 11th International Model-Driven Requirements Engineering (MoDRE) workshop at RE'21*, 2021.
- [80] O. Feyisetan, S. Ghanavati, Sh. Malmasi, P. Thaine, *Proceedings of the Third Workshop on Privacy in NLP, As Part of 2021 The Association for Computational Linguistics, NAACL'2021 Conf.*, 2021.
- [81] O. Feyisetan, S. Ghanavati, Sh. Malmasi, P. Thaine, *Proceedings of the Second Workshop on Privacy in NLP, As Part of The Association for Computational Linguistics, EMNLP Conf.*, 2020.

- [82] O. Feyisetan, S. Ghanavati, O. Rokhlenko, P. Thaine, *Proceeding of Workshop on Privacy in NLP (PrivateNLP 2020), As Part of the 13th International Conference on Web Search and Data Mining (WSDM'20)*, CEUR Workshop Proceedings, Vol-2573, Houston, USA.
- [83] S. Wilson, S. Ghanavati, K. Ghazinour, N. Sadeh, Privacy-Enhancing Artificial Intelligence and Language Technologies (PAL 2019), *Proceedings of the PAL: Privacy-Enhancing Artificial Intelligence and Language Technologies As Part of the AAAI Spring Symposium Series (AAAI-SSS 2019)*, CEUR Workshop Proceedings, Volume 2335, Palo Alto, USA, March 25-27, 2019.
- [84] S. Ghanavati, L. Liu, and L. López, *Proceedings of the 10th International i* Workshop, co-located with the 29th International Conference on Advanced Information Systems Engineering (CAiSE 2017)*, CEUR Workshop Proceedings, Volume 1829, Essen, Germany, June 12-13, 2017.

NON-ARCHIVAL PAPERS

- [85] S. Kaplan, D. Bulmer, A. Gosselin, S. Ghanavati, Lattice-based Contextual Integrity Analysis of Social Network Privacy Policies, *The 3rd Annual Symposium on Applications Of Contextual Integrity*, Chicago, IL, CI Talk, September 2021.
- [86] O. Feyisetan, S. Ghanavati, P. Thaine, Workshop on Privacy in NLP (PrivateNLP 2020), *WSDM '20: Proceedings of the 13th International Conference on Web Search and Data Mining*, January, Pages 903–904, 2020.
- [87] A. Rabinia, D. Nathan, S. Ghanavati, Contextual Integrity and Reasonable Expectations: A Privacy Paradigm, *The 2nd Annual Symp. on Applications Of Contextual Integrity*, Berkeley, CA, 2019.
- [88] S. Ghanavati, D. Amyot, L. Peyton, and G. Mussbacher, A Compliance Framework for Business Processes Based on URN and DOORS, *Telelogic User Group Conference*, Atlanta, USA, 2007.

REFEREED & INVITED TUTORIALS

- [89] S. Ghanavati, I. Habernal, F. Miresghallah, P. Thaine, and O. Feyisetan, Tutorial on Privacy-Preserving Natural Language Processing, *In the 17th Conference of the European Chapter of the Association for Computational Linguistics (EACL'23)*, Dubrovnik, Croatia, May 6, 2023.
- [90] S. Ghanavati, D. Marosin, and M. van Zee, Tutorial on Business Process Compliance Analysis: A Graphical Representation with Tool Support, *In the 23rd IEEE Int. Requirements Engineering Conf. (RE'15)*, Ottawa, Canada, August 2015.
- [91] S. Ghanavati, D. Marosin and M. van Zee, Tutorial on Business Process Compliance Analysis: A Graphical Representation with Tool Support, *Luxembourg Institute of Science and Technology*, Luxembourg, November 2015.
- [92] S. Ghanavati, Gunter Mussbacher, Alireza Pourshahid and Azalia Shamsaei, Tutorial on the User Requirements Notation (URN) for Business Process Modeling and Legal Compliance, *In the 19th IEEE Int. Requirements Engineering Conf. (RE'11)*, Trento, Italy, August 2011.

SELECTED REFEREED POSTERS

- [93] C. LaChance, A. Pourghasemi Fatideh, and S. Ghanavati, Tracing the Evolution of Privacy and Ethical Concerns in AI Development, *Maine Students Symposium (UMSS'25)*, April 2025.
- [94] S. Parajuli, and S. Ghanavati, How Cultural Factors Affects Privacy Perceptions, *Maine Students Symposium (UMSS'25)*, April 2025.
- [95] M.K. Young, and S. Ghanavati, Teaching Kids Privacy Concepts Through Gamification: A Literature Review, *Maine Students Symposium (UMSS'25)*, April 2025.
- [96] W. Baldwin, and S. Ghanavati, Privacy Stories, *Maine Students Symposium (UMSS'25)*, April 2025.
- [97] T. Brucker and S. Ghanavati, Investigating Which Privacy Topics Software Developers Most Struggle With, *Maine Students Symposium (UMSS'24)*, April 2024.

- [98] J. Parsons, M. Schrider, O. Ogunlela, and S. Ghanavati, Understanding Developers Privacy Concerns Through Reddit Thread Analysis, *Maine Students Symposium (UMSS'23)*, April 2023.
- [99] D. Bulmer, V. Jain, and S. Ghanavati, Towards Automated Classification of Privacy Behaviors in Mobile Applications, *The State of Maine AI*, January 2023.
- [100] Maxwell Prybylo, V. Jain, and S. Ghanavati, PriCon: A Privacy Conscious System, Poster Presentation, *UMaine Student Symposium (UMSS'22)*, April 2022.
- [101] S. Datta Gupta and S. Ghanavati, Protecting Privacy in the Heterogeneous Internet of Things, Poster Presentation, *UMaine Student Symposium (UMSS'21)*, April 16th, 2021.
- [102] Vijayanta Jain and S. Ghanavati, What Personal Information is Your App Collecting, Poster Presentation, *UMaine Student Symposium (UMSS'21)*, April 16th, 2021.
- [103] A. Rabinia, M. Dragoni and S. Ghanavati, Towards Integrating the FLG Framework with the NLP Combinatory Framework, *Proceedings of the PAL: Privacy-Enhancing Artificial Intelligence and Language Technologies, As Part of the AAI Spring Symposium Series (AAAI-SSS 2019)*, Poster Presented, Palo Alto, USA, March 25-27, 2019.
- TECHNICAL REPORTS [104] K. C. Pragyam, R. Slavin, S. Ghanavati, T. Breau, and M. Bokaei Hosseini, An Analysis of Automated Use Case Component Extraction from Scenarios using ChatGPT, *arXiv preprint arXiv:2408.03395*, 2024.
- [105] S. D. Gupta, S. Ghanavati, Privacy in the Internet of Things: Where do We Stand? A Systematic Literature Review, *TechRxiv. Preprint*, , 2023.
- [106] P. Shayegh, V. Jain, A. Rabinia, and S. Ghanavati, Automated Approach to Improve IoT Privacy Policies, *Technical Report*, arXiv preprint arXiv:1910.04133, 2019.
- THESIS [107] S. Ghanavati, Legal-URN framework for legal compliance of business processes, *Ph.D. thesis*, University of Ottawa, Canada, 2013.
- [108] S. Ghanavati, A Compliance Framework for Business Processes Based on URN, *MSc. thesis*, University of Ottawa, Canada, 2007.
- CONTRIBUTION TO STANDARDS [109] Developed GRL Analysis Algorithms of ITU-T, Recommendation Z.151 (10/12): User Requirements Notation (URN) - Language Definition, Geneva, Switzerland, approved October 2012. *Co-editors*: Daniel Amyot and Gunter Mussbacher.
- TOOLS, SOFTWARE, DATASETS **PriGen Annotator**: Annotator for Large Code Segments, V. Jain, S. Ghanavati, S. T. Peddinti, and C. McMillan, <https://annotator-tool-w25qzxoqrq-ue.a.run.app>
- PriGen Dataset**: C. Y. Su, V. Jain, A. Bansal, S. Ghanavati, S. T. Peddinti, and C. McMillan, https://github.com/apcl-research/prigen_statement
- Jam**: A Language Model of Java Methods, C. Y Su, A. Bansal, V. Jain, S. Ghanavati, and C. McMillan, <https://github.com/apcl-research/jam>
- Autorepair**: Code for A Trainable Lossless Syntax Tree Generator, C. Y Su, R. Wallace, J. Gonzalez, V. Jain, S. Ghanavati, and C. McMillan, <https://github.com/apcl-research/autorepair>
- Fine_Grained_Localization**: Code, dataset, and training script to detect and localize privacy behaviors in mobile applications, V. Jain, S. Ghanavati, S.T. Peddinti, and C. McMillan, https://github.com/PERC-Lab/Fine_Grained_Localization
- PAcT**: A dataset and model for annotated privacy behaviors for Android Code, V Jain, S. D. Gupta, S. Ghanavati, S. T. Peddinti, and C. McMillan, <https://github.com/PERC-Lab/PAcT>
- PDroid**: A static analysis tool to extract the privacy practices of Android applications, V Jain and S.

Ghanavati, <https://github.com/PERC-Lab/PDroid>

Codr: An open-source research tool to annotate code segments based on privacy predefined labels, D. Bulmer, V Jain and S. Ghanavati, https://perc_lab.codrjs.com/

Play Crawler: An open-source tool that crawls the Play Store, generating a JSON object representation of each app, D. Bulmer, S. Kaplan, A. Green, and S. Ghanavati, <https://github.com/PERC-Lab/Play-Crawler>

INVITED TALKS & PANELS	Invited Panel, CPDP.ai, Brussels, Belgium	May 2025
	Can a fair power balance be achieved in the Web ecosystem with the help of Computer Science research?	
	Keynote Speaker, Dagstuhl Seminar 25021	January 2025
	NLP/ML Perspective on Privacy Documents	
	Invited Panel, BALANCE workshop, Inria Research Center, France	December 2024
	How to evaluate the decision-making processes and mental models of developers when achieving privacy compliance?	
	Invited Talk, Inria Research Center, France	December 2024
	Towards Privacy-Driven Software Development	
	Invited Faculty Talk, Google ASAP Research Seminar	June 2024
	Identifying Privacy Behaviors in Android Application Source Code	
	Invited Talk, York University, Toronto, Canada	November 2023
	Privacy is not an Afterthought	
	Keynote Speaker, The 10th ESPRE'23 Workshop	September 2023
	<i>The 10th International Workshop on Evolving Security & Privacy Requirements Engineering</i>	
	Privacy is not an Afterthought: Raising Awareness Towards Privacy-Driven Software Development	
	Invited Faculty Talk, Google	April 2023
	A Holistic Automated Approach to Enhance Applications' Privacy	
	Invited Speaker, UMaine BOT Event	March 2023
	A Holistic Developer-Centered Approach to Enhance Privacy for Data-Driven Applications	
	Invited Panelist: ACM-W, Virtual	June 2021
	ACM-W Celebrating Technology Leaders: Women in Cybersecurity	
	Invited Panelist: Center for Criminal Justice, Intelligence & Cybersecurity at SUNY	Oct. 2020
	Crazy Life with a Connected Device Cybersecurity Conference	
	Invited Panelist: Synthetic Intelligence Forum, Toronto, ON, Canada	August 2020
	Privacy and AI Panel	
	Invited Speaker: GISE'20 Workshop @ICSE'20 Conference	July 2020
	Privacy Compliance Challenges and Opportunities for Smart Applications	
	Invited Speaker: PERC Lab Research, AI Initiative at UMaine	March 2020
	Automated Translation of Permission-Requiring Code to Privacy Statements	
	Invited Speaker: IEEE Maine Communications and Computer Societies Chapter	November 2019
	A Privacy-Compliant Framework for Mobile and Smart Applications	
	Invited Google Tech Talk: Google, Sunnyvale, USA	March 2019
	Privacy Engineering Framework for Software, Mobile and Smart Applications	
	Invited Talk: Texas Tech University, USA	November 2016
	Multi-jurisdictional Privacy Compliance in IoT era	
	Invited Talk: Department of Informatic, University of Hamburg, Germany	September 2015
	Multi-jurisdictional Legal Compliance	

Invited Talk: Centre of Security and Trust (SnT), Luxembourg Legal - URN Framework - A Method for Business Process Compliance	January 2015
Invited Talk: University of Toronto, Toronto, Canada Legal- URN Framework for Privacy Compliance	October 2014
Invited Talk: Normative Multi-Agent Systems: NorMAS 2014, Bertinoro, Italy Legal- URN Framework for Privacy Compliance	September 2014
Invited Talk: Bournemouth University, UK Legal- URN Framework for Privacy Compliance	May 2014
Invited Talk: Centre de Recherche Henri Tudor, Luxembourg Legal- User Requirements Notation Framework for Business Process Compliance	February 2014
Invited Talk: Fondazione Bruno Kessler (FBK), Trento, Italy Goal-oriented Legal Compliance: A Lightweight URN Profile	March 2010

INVITED GRANT **Panel Member**, AAUW CDG STEM: 2024 and 2025.

PROPOSAL **Panel Member**, National Science Foundation, CISE Directorates:2018, 2021, 2022, and 2023, 2025.
 REVIEWERS **Reviewer**, German National Research Center for Applied Cybersecurity ATHENE, 2022, 2023, & 2024.
Reviewer, Veni research proposal Dutch Research Council, The Netherlands, 2021.
Reviewer, The Center for Cyber Law & Policy, Haifa, Israel, 2017.

INVITED	Vice Chair & Associate Editor , Proceedings of the Privacy Enhancing Technology	Since 2025
JOURNAL	Editorial Board , Proceedings of the Privacy Enhancing Technology	2023-2025
REVIEWER	Book Reviewer , Cambridge University Press	2022
	Reviewer , IEEE Transactions on Artificial Intelligence	since 2024
	Reviewer , ELSEVIER Information and Software Technology (IST)	since 2023
	Reviewer , IEEE Transaction on Software Engineering (TSE)	since 2019
	Reviewer , ACM Transactions on Software Engineering and Methodology (TOSEM)	since 2018
	Reviewer , Journal of Software & Systems Modeling (SoSym), Springer	since 2018
	Reviewer , Journal of Artificial Intelligence and Law, Springer	2018
	Reviewer , Journal of Systems and Software (JSS), Elsevier	since 2017
	Reviewer , Empirical Software Engineering Journal (EMSE), Springer	since 2016
	Reviewer , IEEE Software, IEEE Computing Society	since 2016
	Reviewer , Software Quality Journal, Springer	since 2015
	Reviewer , Int. Journal on Software Tools for Technology Transfer (STTT), Springer	2014 – 2015
	Reviewer , IEEE Requirements Engineering Journal (REJ)	since 2014

ORGANIZING COMMITTEE **Program Co-Chair**, the 34th IEEE International Requirements Engineering Conference (RE'26), Montreal, Canada, August 2026.
Organizing Co-Chair, the 7th Workshop on Privacy in Natural Language Processing (PrivateNLP'26) Co-located with ACL 2026, July 2026.
Organizing Co-Chair, the 12th 2th International Workshop on Artificial Intelligence and Requirements Engineering (AIRE'25) Co-located with RE'25, Spain, September 2025.
Organizing Co-Chair, the 12th Workshop on the Evolving Security and Privacy Requirements Engineering (ESPRE) Co-located with RE'25, Spain, September 2025.

Organizing Co-Chair, the 6th Workshop on Privacy in Natural Language Processing (PrivateNLP'25) Co-located with EACL 2025, May 2025.

Organizing Co-Chair, Poster & Tools Demos track, the 32nd IEEE International Requirements Engineering Conference (RE'24), Iceland, 2024.

Organizing Co-Chair, the 5th Workshop on Privacy in Natural Language Processing (PrivateNLP'24) Co-located with ACL 2024, August 2024.

Organizing Co-Chair, the 11th Workshop on the Evolving Security and Privacy Requirements Engineering (ESPRe) Co-located with RE'24, Iceland, June 2024.

Organizing Co-Chair, the 7th Workshop on Natural Language Processing for Requirements Engineering Co-located with REFSQ'24, Spain, April 2024.

Organizing Co-Chair, the 4th Workshop on Privacy in Natural Language Processing (PrivateNLP'22) Co-located with NAACL 2022, Virtual, June 2022.

Proceeding Co-Chair, the 29th IEEE International Requirements Engineering Conference (RE'21), USA, 2021.

Workshop Co-Chair, The 27th Working Conference on Requirements Engineering, Foundation for Software Quality, 2021.

Organizing Co-Chair, the 3rd Workshop on Privacy in Natural Language Processing (PrivateNLP'21) Co-located with NAACL 2021, Virtual, June 2021.

Organizing Co-Chair, the 11th International Model-Driven Requirements Engineering (MoDRE), co-located with RE'21, USA, 2021.

Workshop Co-Chair, the 28th IEEE International Requirements Engineering Conference (RE'20), Switzerland, 2020.

Organizing Co-Chair, PrivateNLP 2020: The First Workshop on Privacy in NLP, Co-located with the Conference on Empirical Methods in Natural Language Processing 2020 (EMNLP'20), Dominican Republic, November 8 – 12, 2020.

Organizing Co-Chair, Workshop on Privacy and Natural Language Processing Co-located with WSDM 2020, Feb 7, 2020, Houston Texas.

Proceeding Co-Chair, the 27th IEEE International Requirements Engineering Conference (RE'19), South Korea, 2019.

Organizing Co-Chair, AAAI Spring Symposium - PAL: Privacy-Enhancing Artificial Intelligence and Language Technologies, Stanford University - Palo Alto, California, March 25-27, 2019.

Proceeding Co-Chair, the 26th IEEE International Requirements Engineering Conference (RE'18), Banff, Canada, 2018.

Organizing Co-Chair, A panel on Big Data, Privacy and Ethics with Dr. Manuel Wörsdörfer and Dr. Peer Zumbansen, at Transnational Law Summit 2018, King's College London, UK, 2018.

Organizing Co-Chair, the 10th International Workshop on Requirements Engineering and Law (RELA W'17), Lisbon, Portugal, 2017.

Organizing Co-Chair, The 10th International i* (iStar) Workshop, Essen, Germany, 2017.

Program Co-Chair, the 9th International Workshop on Requirements Engineering and Law (RELAW '16), Beijing, China, 2016.

Program Co-Chair, the 8th International Workshop on Requirements Engineering and Law (RELAW '15), Ottawa, Canada, 2015.

Organizing Co-Chair, Posters, Demos and Exhibits Co-Chair - at the 23rd International Requirements Engineering Conference (RE'15), Ottawa, Canada, 2015.

TECHNICAL PROGRAM COMMITTEE	2026: ICSE'26, NDSS'26, ACM CCS'26, PoPETS'26.	
	2025: CHI'25, PoPETS'25, ACM CCS'25, IEEE Euro S&P'25, IEEE ICSE'25, IEEE RE'25, IEEE CSEE&T'25, RCIS'25.	
	2024: PoPETS'24, ACM CCS'24, IEEE ACSAC'24, IEEE ICSE'24, IEEE RE'24, CSEE&T'24, ER'24, RCIS'24, MoDRE'24.	
	2023: PETS'23 – Artifacts Track, ACM ESEC/FSE '23, RE'24, CSEE&T'23, ACM/IEEE MODELS'23 - Practices and Innovation Tracks, IEEE RE'23, ACM SAC ESPRE'23, MoDRE'23, EmprE'23, NLP4RE'23.	
	2022: IEEE SANER'22, ACM ESEC/FSE'22 Artifacts, IEEE/ACM ASE'22 Artifact Evaluation, ACM/IEEE MODELS'22 - Practices and Innovation Tracks, IEEE RE'22, ACM-SAC'22 (RE, IoT and Graph Models Tracks), IEEE ICSE SEET'22, NLP4RE'22, AIRE'22, ESPRE'22, MoDRE'22.	
	2021: IEEE SANER'21, IEEE RE'Next'21, ACM ESEC/FSE'21 Artifacts, IEEE/ACM ASE'21 Artifact Evaluation, ACM/IEEE MODELS'21 - Practices and Innovation Tracks, REFSQ'21, ACM-SAC'21 (RE and IoT Tracks), ESPRE'21, EthicsinRE'21, MSR'21, NLP4RE'21.	
MEDIA COVERAGE AND UNIVERSITY APPEARANCE	2020: IEEE SANER'20, IEEE RE'Next!20, REFSQ'20, ACM-SAC'20 (RE and IoT Tracks), i*'20, NLP4RE'20, REthics'20, EmpER20.	
	2012 – 2019: IEEE RE'19, ACM-SAC'19 (RE and IoT Tracks), IEEE RE'18, ER'18, ACM-SAC'18 (RE and IoT Tracks), REFSQ'18, QMMQ'18, ESPRE'18, IEEE RE'17, IEEE RENext!'17, RePa'17, ESPRE'17, ACM-SAC'17 (RE Track), IEEE RENext!'16, ER'16, CBI'16, EMMSAD'16, ESPRE'16, i*'16, ReVISE'16, IEEE RE'15, ER'15, CBI'15, ECIS'15, ESPRE'15, i*'15, CBI'14, MCIS'14, i*14, ESPRE'14, RELAW'14, TEE Workshop'14, RELAW'13, RELAW'12.	
	Bangor Daily News, “UMaine’s MIRTA accelerator program welcomes four teams into 2024 cohort”, September 22, 2024.	
	UMaine SCIS News, “Dr. Sepideh Ghanavati receives recognition”, July 26th, 2024.	
	Bangor Daily News, “Ghanavati awarded \$674,804 from NSF to study data privacy”, March 10th, 2023.	
	UMaine News, “Ghanavati awarded \$674,804 from NSF to study data privacy”, March 9th, 2023.	
SERVICE TO UMaine	UMaine News, “Ghanavati receives Google Privacy-Related Faculty Research Award”, October 21st, 2021.	
	UMaine News, “AI Initiative seed grant awards announced”, July 17th, 2020.	
	Mentioned at, Introspective Systems, “Maine Artificial Intelligence Webinar”, April 24th, 2020.	
	UMaine SCIS News, “Record Crowd for Dr. Sepideh Ghanavati Privacy Talk”, November 13th, 2019.	
	Recorded interview for ABC7, Fox Bangor, “Cyber security/Ransomware”, October 14th, 2019.	
	UMaine News, “Google award-winner Ghanavati seeks to better protect personal information of Android app users”, March 8th, 2019.	
SERVICE TO UMaine	Strategic Re-Envisioning: Working Group on GenAI	2024 – Present
	University Research Council (URC)	2023 – Present
	UMS Cybersecurity Working Group	2023 – Present
	AI Initiative Group	2020 – Present
	Center for Undergraduate Research Proposal Reviewer	2022 – 2024
	Dean Haddad’s Five-Year Review	2022 – 2023
	MCECIS Fundraising and Outreach Committee	2021 – 2022
	MCECIS DEI Committee	2021 – 2022
	Goldwater Nomination Committee	2020 – 2021

SERVICE TO UMaine COLLEGE OR DEPARTMENT	Graduate Program Committee	2018 – Present
	Policy Advisory Committee	2023 – Present
	Faculty Search Committee - TT AI	2024 – 2025
	Faculty Search Committee - Lecturer Math/CS	2024 – 2025
	Faculty Search Committee	2023
	Computer Science Tenure & Promotion Committee	2019 – 2020
	Computer Science Townhall, 3 times	2018 – 2019
	Faculty (Tenure-Track) Search Committee	2018 – 2019
SERVICE TO TEXAS TECH	Faculty Search Committee	2017 – 2018
	Undergraduate Program Committee	2017 – 2018
	Graduate Program Committee	2016 – 2017
OUTREACH ACTIVITIES	Advisor of ACM-W at the University of Maine	2021 – Present
	Liaison for NCWIT Aspirations in Computing at the University of Maine	2021 – Present
	IEEE Maine Chapter – Secretary	2022 – 2024
	UMaine Cybersecurity Club Advisor	2018 – 2019
CURRENT GRADUATE STUDENTS	Shadi Babaei, PhD student, Computer Science, UMaine	since 01/2025
	Ali Pourghasemi Fatideh, PhD student, Computer Science, UMaine	since 09/2024
	Sara Haghighi, PhD Candidate, Computer Science, UMaine	since 09/2022
	Vijiyanta Jain, PhD Candidate, Computer Science, UMaine (Expected graduation: December 2025)	since 09/2019
	Clark LaChance, MSc. student, Computer Science, UMaine	since 09/2025
	Wilder Baldwin, MSc. student, Computer Science, UMaine	since 09/2024
	Dylan Bulmer, MSc. student, Computer Science, UMaine	since 09/2024
	Mackenzie Young, MSc. student, Computer Science, UMaine	since 09/2024
	Maxwell Prybylo, MSc. student, Computer Science, UMaine (Expected graduation: December 2025)	since 09/2022
HONOR'S THESIS STUDENTS	Shreyash Parajul, BSc., Computer Science, UMaine (Graduated: May 2025)	since 05/2024
HONOR'S THESIS COMMITTEE	Lucas Bent, BSc., Computer Science, UMaine (Graduated: May 2025)	since 09/2024
THESIS COMMITTEE MEMBER	Zachary Eberhart, PhD, Computer Science, University of Notre Dame (Expected Defense Data: Fall 2025)	2025 – Present
	Chia-Yi Su, PhD, Computer Science, University of Notre Dame (Expected Defense Data: Spring 2026)	2024 – Present
	Shirly Stephen, PhD, Spatial Information Science and Engineering, UMaine (Defended: Summer 2020)	2019 – 2020

	Robert Powell, MSc., Spatial Information Science and Engineering, UMaine (Defended: Spring 2021)	2020 – 2021
	Avery Gosselin, BSc., Computer Science, UMaine (Defended: Spring 2023)	09/2022 – 05/2023
	Stanely Small, BSc., Computer Science, UMaine (Defended: Spring 2019)	09/2018 – 05/2019
FORMER GRADUATE STUDENTS	Adam Green, Msc., Computer Science, UMaine, Graduated	01/2022 - 05/2024
	Sanonda Gupta, Msc., Computer Science, UMaine, Graduated <i>Currently, PhD at Drexel University</i>	01/2019 - 08/2022
	Amin Rabinia, Msc., Computer Science, Graduated	09/2017 - 05/2020
	Diana Marosin, MSc., Computer Science, LIST, Luxembourg	01/2014 - 06/2016
FORMER GRADUATE MENTEES	Parvaneh Shayegh, PhD Student at Texas Tech <i>Transferred to University of Delft, The Netherlands</i>	01/2017 - 12/2017
	Sara Sartoli, PhD student at Texas Tech <i>Advisor: Dr. Akbar Salimi Namin</i> <i>Research assistant in PERC_Lab</i>	09/2017 - 08/2018
	Marc van Zee, PhD student at University of Luxembourg <i>Advisor: Dr. Leon van der Torre</i> <i>Research student in PERC_Lab</i>	06/2014 - 12/2020
	Llio Humphrey , PhD student at University of Torino, Italy <i>Advisor: Dr. Guido Boella</i> <i>Research student in PERC_Lab</i>	06/2014 - 12/2020
FORMER BSC. THESIS STUDENTS	Theo Brucker, BSc., Computer Science, UMaine, Graduated	05/2023 - 05/2024
	Stephen Kaplan, BSc, Computer Science, UMaine, Graduated	05/2021 - 05/2022
FORMER BSC. STUDENT VOLUNTEERS	Clark LaChance, BSc., Computer Science, UMaine <i>Currently, MSc. at UMaine</i>	12/2024 - 08/2025
	Shashank Reddy, BSc., Computer Science, UMaine	09/2024 - 05/2024
	David Geng, BSc., Computer Science, UMaine	04/2024 - 05/2025
	Neil Rockey, BSc., Political Science, UMaine	since 04/2024 - 12/2024
	Ersilda Cako, BSc., Computer Science, UMaine	09/2023 - 05/2025
	Ryan Shanz, BSc., Computer Science, UMaine	09/2023 - 08/2025
	Wilder Baldwin, BSc. Computer Science, UMaine <i>Currently, MSc. at UMaine</i>	09/2023 - 08/2024
	Kenzie Young, BSc., Computer Science, UMaine <i>Currently, MSc. at UMaine</i>	01/2023 - 05/2024
	Sean Radel, BSc., Computer Science, UMaine	01/2023 - 05/2024
	Joe Godinez, BSc., Major in Math, Minor in Computer Science, UMaine <i>Currently, MSc. at Villanova University</i>	01/2023 - 05/2024
	Zack Delile, BSc., Maine Top Scholar, Computer Science and Math, UMaine <i>Currently, MSc. in Math at UMaine</i>	09/2021 - 05/2024
	Theo Brucker, BSc., Computer Science, UMaine	09/2021 - 05/2024

	Garrett Engstrom, BSc. Computer Science, UMaine	01/2023 - 12/2023
	Avery Gosselin, BSc, Computer Science, UMaine Honor's Thesis committee <i>Currently, MSc. at ETH Zurich</i>	09/2020 - 05/2023
	Dylan Bulmer, BSc, Computer Science, UMaine <i>Currently, MSc. in CS at UMaine</i>	09/2019 - 12/2022
	Maxwell Prybylo, BSc, Computer Science, UMaine <i>Currently, MSc. in Math at UMaine</i>	01/2020 - 05/2022
	Sam Morse, BSc, Computer Science, UMaine	01/2020 - 05/2022
	Mac Creamer, BSc, Computer Science, UMaine <i>Currently PhD at Northeastern University</i>	01/2020 - 05/2022
	Aubree Nygaard, BSc, Computer Science, UMaine	10/2018 - 05/2021
	Zane Nygaard, BSc, Computer Science, UMaine	10/2018 - 08/2020
	Jens Hansen, BSc, Computer Science, UMaine	04/2019 - 05/2020
	Vijayanta Jain, BSc., Computer Science, Texas Tech <i>Currently PhD at UMaine</i>	01/2018 - 08/2019
	Jacob Opoku, BSc., Computer Science, Texas Tech	01/2017 - 05/2018
	Vasilis Vloutis, BSc., Computer Science, Texas Tech <i>Completed MSc. at Carnegie Mellon University</i>	04/2017 - 05/2018
	Bohyun Suh, BSc., Computer Science, Texas Tech <i>Completed MSc. at UTDallas</i>	09/2017 - 05/2018
FORMER HIGH SCHOOL VOLUNTEERS	Tanay Samnani, Robbinsville High School, NJ, USA	01/2024 - 08/2025
	Arteen Ajdari, High School student, Toronto, Canada	01/2024 - 05/2025
	Farah Abdullahi, Portland High School student, ME, USA	04/2024 - 06/2024
	Somiya Omane, Portland High School student, ME, USA	01/2023 - 12/2023
	Hervi Bafundison, Portland High School student, ME, USA	02/2024 - 04/2024
STUDENT RECOGNITIONS	Maine Space Grant Consortium Graduate Fellowships – Wilder Baldwin	Fall 2024 - Spring 2025
	CUGR 2024-2025 Academic Year Fellowship Program – Shreyash Parajul	Fall 2024
	Maine Space Grant Consortium Graduate Fellowships – Maxwell Prybylo	Summer 2024
	CUGR 2023-2024 Academic Year Fellowship Program – Wilder Baldwin	Fall 2023
	Maine Space Grant Consortium Graduate Fellowships – Maxwell Prybylo	Summer 2022
	CUGR 2022 Summer Fellowship Program – Stephen Kaplan	Summer 2022
PROFESSIONAL DEVELOPMENT	Attended the 2023 CRA-CCC Leadership in Science Policy Institute Workshop	November 2023
	Attended the Broadening Participation Summit — Northeast at MIT	April 2023
	Attended the IAPP Global Privacy Summit	April 2023
	Attended SEED-Lab training for Security Education	Summer 2021
	Attended the Annual Privacy Forum 2020	October 2020
	Attended the CLAS Academic Advising Workshop	October 2018

PROFESSIONAL MEMBERSHIPS	Member of the International Association of Privacy Professionals	Since 2020
	Member of the ACM Special Interest Group on Software Engineering (SIGSOFT)	Since 2016
	Member of the ACM-W Group	Since 2016
	Member of the IEEE Computer Society	Since 2007
LANGUAGE PROFICIENCY	Native Proficiency: English, Farsi Professional Proficiency: French Basic Proficiency: German, Italian, Arabic	
CITIZENSHIP STATUS	Canadian Citizen, US Green Card Holder	