

ÖZLEM UZUNER

EDUCATION

Post-doc Computer Science and Artificial Intelligence Laboratory. MIT. 2006.

Ph.D. Technology, Management, and Policy. Engineering Systems Division. MIT. 2005.

M. Eng. Electrical Engineering and Computer Science. MIT. 1998.

B.S. Electrical Engineering and Computer Science. MIT. 1998.
Minor in Mathematics.

ACADEMIC APPOINTMENTS (POST-PH.D.)

GEORGE MASON UNIVERSITY, Fairfax, VA

2017-

Associate Professor (with tenure), Department of Information Sciences and Technology, 2017-

HARVARD MEDICAL SCHOOL, Boston, MA

2018-

Visiting Associate Professor of Biomedical Informatics, Department of Biomedical Informatics, 2018-

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT), Cambridge, MA

2005-

Research Affiliate, Computer Science and Artificial Intelligence Laboratory, 2006-2015. 2017-
Postdoctoral Associate, Computer Science and Artificial Intelligence Laboratory, 2005-2006.

UNIVERSITY AT ALBANY, STATE UNIVERSITY OF NEW YORK, Albany, NY

2006-2017

Associate Professor (with tenure), Department of Computer Science, 2015-2017.

Associate Professor (with tenure), Department of Information Studies, 2013-2015.

Affiliated Faculty, Department of Informatics, 2007-2017.

Affiliated Faculty, Department of Computer Science, 2007-2015.

Assistant Professor, Department of Information Studies, 2006-2013.

MIDDLE EAST TECHNICAL UNIVERSITY, NORTHERN CYPRUS CAMPUS, Cyprus

2008-2010

Assistant Professor Doctor, Computer Engineering, 2009-2010.

Visiting Faculty, Computer Engineering, 2008-2009.

RECENT HONORS, AWARDS

1. Fellow of the American College of Medical Informatics, Class of 2018.
2. Chair-elect. American Medical Informatics Association, Natural Language Processing Working Group. 2018-2022.
3. Nominated for 2019 George Mason University Teaching Excellence Award.
4. KDDM Student Innovation Award, American Medical Informatics Association. “*FABLE: A Semi-Supervised Prescription Information Extraction System.*” Recipient: Carson Tao.
5. Second place (honorable mention) winner of the 2017 inaugural Doctoral Dissertation Award. American Medical Informatics Association (AMIA). Recipient: Luo, Yuan. Co-supervised with Prof. Peter Szolovits.
6. 2017 Distinguished Dissertation Award. University at Albany, SUNY, College of Engineering and Applied Sciences (CEAS). Recipient: Hagen, Loni. Co-supervised with Prof. Teresa Harrison.
7. One of the best articles in Natural Language Processing subfield of medical informatics published in 2016. Editorial Board of the 2016 International Medical Informatics Association (*IMIA Yearbook of Medical Informatics*). Luo Y., Xin Y., Hochberg E., Joshi R., Uzuner O., Szolovits P. (2015). “Subgraph Augmented Non-Negative Tensor Factorization (SANTF) for Modeling Clinical Narrative Text.” *Journal of the*

American Medical Informatics Association. 2015 Sep;22(5):1009-19. doi: 10.1093/jamia/ocv016. Epub 2015 Apr 9.

8. 2014-2015 Distinguished Dissertation & MFA Project Award. University at Albany, SUNY, College of Computing and Information. Recipient: Sun, Weiyi.
9. Second place. International Challenge: Classifying Clinical Free Text Using Natural Language Processing. Computational Medicine Center, University of Cincinnati and Cincinnati Children's Hospital, March 2007. Recipient: Uzuner Lab on Computational Linguistics and Information Processing.

GRANT AWARDS

1. Site Principal Investigator, "NLP-driven Predictive Models for Patient Deterioration and Therapy Response," Sponsored by Massachusetts Institute of Technology, Philips Research NA, PI: Peter Szolovits. Uzuner portion \$170,711. July 1, 2015-September 30, 2018.
2. Site Principal Investigator, "Neuropsychiatric Genome-Scale and RDoC Individualized Domains (N-GRID)," Sponsored by Harvard Medical School, National Institute of Mental Health, co-funded by National Human Genome Research Institute, National Institutes of Health, P50 MH106933, PI: Isaac Kohane. Uzuner portion \$449,376. August 1, 2015-July 31, 2017.
3. Principal Investigator, "Challenges in Natural Language Processing for Clinical Narratives," Sponsored by National Library of Medicine, National Institutes of Health, NIH NLM 5R13LM011411, PI: Ozlem Uzuner, \$100,000. September 1, 2012-November 7, 2018.
4. Site Principal Investigator, "Informatics for Integrating Biology and the Bedside (i2b2) - Core 1." Sponsored by Brigham and Women's Hospital, National Library of Medicine, co-funded by Office of the Director (OD), National Institutes of Health, NIH NLM 2U54LM008748, PI: Isaac Kohane. Uzuner portion \$767,596. September 15, 2010-September 14, 2014.
5. Site Principal Investigator, "Strategic Health IT Advanced Research Projects (SHARP). Research Focus Area: 4. Secondary Use of Electronic Health Record Data," Sponsored by Mayo Clinic, Office of the National Coordinator for Health Information Technology, contract number 90TR0002 (SHARP—Secondary Use of Clinical Data), PI: Christopher Chute. Uzuner portion \$508,202. April 1, 2010-December 18, 2013.
6. Site Principal Investigator, "Informatics for Integrating Biology and the Bedside (i2b2) - Core 1." Sponsored by Brigham and Women's Hospital, National Library of Medicine, National Institutes of Health, NIH Roadmap for Medical Research, NIH NLM U54LM008748, PI: Isaac Kohane. Uzuner portion \$220,015. January 5, 2006-July 31, 2010.

RESEARCH AND PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. Filannino M., **Uzuner Ö.** (2018). "Advancing the State of the Art in Clinical NLP through Shared Tasks." *Yearbook of Medical Informatics*. 2018:184-92 <http://dx.doi.org/10.1055/s-0038-1667079>.
2. Luo Y., Cheng Y., **Uzuner Ö.**, Szolovits P., Starren J. (2018) "Segment Convolutional Neural Networks (Seg-CNN) for Classifying Relations in Clinical Notes." *Journal of the American Medical Informatics Association*. 2018 Jan 1;25(1):93-98. doi: 10.1093/jamia/ocx090.
3. Stubbs A., Filannino M., **Uzuner Ö.** (2017). "De-identification of Psychiatric Intake Records: Overview of 2016 CEGS N-GRID Shared Tasks Track 1." *Journal of Biomedical Informatics*. 2017 Nov;75S:S4-S18. doi: 10.1016/j.jbi.2017.06.011.
4. Filannino M., Stubbs A., McCoy T. H., Rosenquist J. N., Brown H. E., Perlis R. H., **Uzuner Ö.** (2017). "Symptom Severity Prediction from Neuropsychiatric Clinical Records: Overview of 2016 CEGS N-GRID Shared Tasks Track 2." *Journal of Biomedical Informatics*. 2017 Nov;75S:S62-S70. doi: 10.1016/j.jbi.2017.04.017.
5. Tao C., Filannino M., **Uzuner Ö.** (2017). "Prescription Extraction Using CRFs and Word Embeddings." *Journal of Biomedical Informatics*. 2017 August;72:60-66. doi: 10.1016/j.jbi.2017.07.002.
6. Buchan K., Filannino M., **Uzuner Ö.** (2017). "Automatic Prediction of Coronary Artery Disease from Clinical Narratives." *Journal of Biomedical Informatics*. 2017 August;72:23-32. doi: 10.1016/j.jbi.2017.06.019.
7. Deroncourt F., Lee J. Y., **Uzuner Ö.**, Szolovits P. (2017). "De-identification of Patient Notes with Recurrent Neural Networks." *Journal of the American Medical Informatics Association*. 2017 May 1;24(3):596-606. doi: 10.1093/jamia/ocw156. Epub 2016 Dec 30.
8. Luo Y., **Uzuner Ö.**, Szolovits P. (2017). "Bridging Semantics and Syntax with Graph Algorithms - State-of-the-Art of Extracting Biomedical Relations." *Briefings in Bioinformatics*. 2017 Jan;18(1):160-178. doi: 10.1093/bib/bbw001. Epub 2016 Feb 5.
9. Hagen L., Harrison T. M., **Uzuner Ö.**, May W., Fake T., Katragadda S. (2016). "E-petition Popularity: Do Linguistic and Semantic Factors Matter?" The Government Information Quarterly special issue on *Digital Government and Wicked Problems*. October 2016; 33(4):783-795.
10. Goel S., **Uzuner Ö.** (2016). "Do Sentiments Matter in Fraud Detection: Estimating Semantic Orientation of Annual Reports." *Intelligent Systems in Accounting, Finance and Management*. July/September 2016; 23(3):215-239. doi: 10.1002/isaf.1392. Version of Record online: 24 May 2016.
11. Stubbs A., Kotfila C., Xu H., **Uzuner Ö.** (2015). "Identifying Risk Factors for Heart Disease over Time: Overview of 2014 i2b2/UTHealth Shared Task Track 2." *Journal of Biomedical Informatics*. 2015 Dec;58 Suppl:S67-77. doi: 10.1016/j.jbi.2015.07.001. Epub 2015 Jul 22.
12. Kumar V., Stubbs A., Shaw S., **Uzuner Ö.** (2015). "Creation of a New Longitudinal Corpus of Clinical Narratives." *Journal of Biomedical Informatics*. 2015 Dec;58 Suppl:S6-S10. doi: 10.1016/j.jbi.2015.09.018. Epub 2015 Oct 1.
13. Stubbs A., **Uzuner Ö.** (2015). "Annotating Longitudinal Clinical Narratives for De-identification: The 2014 i2b2/UTHealth Corpus." *Journal of Biomedical Informatics*. 2015 Dec;58 Suppl:S20-9. doi: 10.1016/j.jbi.2015.07.020. Epub 2015 Aug 28.
14. Kotfila C., **Uzuner Ö.** (2015). "A Systematic Comparison of Feature Space Effects on Disease Classifier Performance for Phenotype Identification of Five Diseases." *Journal of Biomedical Informatics*. 2015 Dec;58 Suppl:S92-S102. doi: 10.1016/j.jbi.2015.07.016. Epub 2015 Aug 1.
15. Stubbs A., Kotfila C., **Uzuner Ö.** (2015). "Automated Systems for the De-identification of Longitudinal Clinical Narratives: Overview of 2014 i2b2/UTHealth Shared Task Track 1." *Journal of Biomedical Informatics*. 2015 Dec;58 Suppl:S11-9. doi: 10.1016/j.jbi.2015.06.007. Epub 2015 Jul 28.
16. Zheng K., Vydiswaran V.G.V., Liu Y., Wang Y., Stubbs A., **Uzuner Ö.**, Gururaj A.E., Bayer S., Aberdeen J., Rumshisky A., Pakhomov S., Liu H., Xu H. (2015). "Ease of Adoption of Clinical Natural Language Processing Software: An Evaluation of Five Systems." *Journal of Biomedical Informatics*. 2015 Dec;58 Suppl:S189-96. doi: 10.1016/j.jbi.2015.07.008. Epub 2015 Jul 22.

17. Stubbs A., **Uzuner Ö.** (2015). "Annotating Risk Factors for Heart Disease in Clinical Narratives for Diabetic Patients." *Journal of Biomedical Informatics*. 2015 Dec;58 Suppl:S78-91. doi: 10.1016/j.jbi.2015.05.009. Epub 2015 May 21.
18. Luo Y., Xin Y., Hochberg E., Joshi R., **Uzuner O.**, Szolovits P. (2015). "Subgraph Augmented Non-Negative Tensor Factorization (SANTF) for Modeling Clinical Narrative Text." *Journal of the American Medical Informatics Association*. 2015 Sep;22(5):1009-19. doi: 10.1093/jamia/ocv016. Epub 2015 Apr 9. **One of the best articles in Natural Language Processing subfield of medical informatics published in 2016, selected by Editorial Board of the 2016 International Medical Informatics Association (IMIA) Yearbook of Medical Informatics.**
19. Sun W., Rumshisky A., **Uzuner Ö.** (2015). "Normalization of Relative and Incomplete Temporal Expressions in Clinical Narratives." *Journal of the American Medical Informatics Association*. 2015 Sep;22(5):1001-8. doi: 10.1093/jamia/ocu004. Epub 2015 Apr 12.
20. Chasin R., Rumshisky A., **Uzuner Ö.**, Szolovits P. (2014). "Word Sense Disambiguation in the Clinical Domain: a Comparison of Knowledge-rich and Knowledge-poor Unsupervised Methods." *Journal of the American Medical Informatics Association*. 2014 Sep-Oct;21(5):842-9. Published Online First: 17 January 2014. doi:10.1136/amiajnl-2013-002133.
21. Sun W., Rumshisky A., **Uzuner Ö.** (2013). "Annotating Temporal Information in Clinical Narratives." *Journal of Biomedical Informatics*. 2013 Dec;46 Suppl:S5-12. Epub 2013 Jul 19. doi: 10.1016/j.jbi.2013.07.004.
22. Sun W., Rumshisky A., **Uzuner Ö.** (2013). "Temporal Reasoning on Clinical Text: The State of the Art." *Journal of the American Medical Informatics Association*. 2013;20:814-819 Published Online First: 15 May 2013. doi:10.1136/amiajnl-2013-001760.
23. Sun W., Rumshisky A., **Uzuner Ö.** (2013). "Evaluating Temporal Relations in Clinical Text: 2012 i2b2 Challenge Overview." *Journal of the American Medical Informatics Association*. 2013;20:806-813 Published Online First: 5 April 2013. doi:10.1136/amiajnl-2013-001628.
24. Bodnari A., Szolovits P., **Uzuner Ö.** (2012). "MCORES: A System for Noun Phrase Coreference Resolution for Clinical Records." *Journal of the American Medical Informatics Association*. 2012;19:906-912. Published Online First: 14 March 2012 doi:10.1136/amiajnl-2011-000591.
25. **Uzuner Ö.**, Bodnari A., Shen S., Forbush T., Pestian J., South B. (2012). "Evaluating the State of the Art in Coreference Resolution for Electronic Medical Records." *Journal of the American Medical Informatics Association*. 2012;19:786-791 Published Online First: 24 February 2012. doi:10.1136/amiajnl-2011-000784.
26. Pestian J.P., Matykiewicz P., Linn-Gust M., South B., **Uzuner O.**, Wiebe J., Cohen K., Hurdle J., Brew C. (2012). "Sentiment Analysis of Suicide Notes: A Shared Task." *Biomedical Informatics Insights*. 2012;5 (Suppl. 1):1-14.
27. **Uzuner Ö.**, South B., Shen S., DuVall S. (2011). "2010 i2b2/VA Challenge on Concepts, Assertions, and Relations in Clinical Text." *Journal of the American Medical Informatics Association*. 2011;18:552-556 Published Online First: 16 June 2011. doi:10.1136/amiajnl-2011-000203.
28. Halgrim S.R., Xia F., Solti I., Cadag E., **Uzuner Ö.** (2011). "A Cascade of Classifiers for Extracting Medication Information from Discharge Summaries." *Journal of Biomedical Semantics*. 2011;2(Suppl 3):S2 (14 July 2011).
29. Goel S., Gangolly J., Faerman S., **Uzuner Ö.** (2010). "Can Linguistic Predictors Detect Fraudulent Financial Filings?" *Journal of Emerging Technologies in Accounting*. 2010;7(1):25. doi:10.2308/jeta.2010.7.1.25.
30. **Uzuner Ö.**, Mailoa J., Ryan R.J., Sibanda T. (2010). "Semantic Relations for Problem-Oriented Medical Records." *Artificial Intelligence in Medicine*. 2010;50:63-73. doi:10.1016/j.artmed.2010.05.006.
31. **Uzuner Ö.**, Solti I., Xia F., Cadag E. (2010). "Community Annotation Experiment for Ground Truth Generation for the i2b2 Medication Challenge." *Journal of the American Medical Informatics Association*. 2010;17:519-523. doi:10.1136/jamia.2010.004200.
32. **Uzuner Ö.**, Solti I., Cadag E. (2010). "Extracting Medication Information from Clinical Text." *Journal of the American Medical Informatics Association*. 2010;17:514-518. doi:10.1136/jamia.2010.003947.

33. Goldstein I., **Uzuner Ö.** (2009). "Specializing for Predicting Obesity and its Co-morbidities." *Journal of Biomedical Informatics*. 2009;42:873-886.
34. **Uzuner Ö.** (2009). "Recognizing Obesity and Co-morbidities in Sparse Data." *Journal of the American Medical Informatics Association*. July 2009;16(4):561-570.
35. **Uzuner Ö.**, Zhang X., Sibanda T. (2009). "Machine Learning and Rule-Based Approaches to Assertion Classification." *Journal of the American Medical Informatics Association*. January 2009;16(1):109-115.
36. **Uzuner Ö.**, Sibanda T., Luo Y., Szolovits P. (2008). "A De-identifier for Medical Discharge Summaries." *Artificial Intelligence in Medicine*. January 2008;42(1):13-35.
37. **Uzuner Ö.**, Goldstein I., Luo Y., Kohane I. (2008). "Identifying Patient Smoking Status from Medical Discharge Records." *Journal of the American Medical Informatics Association*. January 2008;15(1):14-24.
38. **Uzuner Ö.**, Luo Y., Szolovits P. (2007). "Evaluating the State-of-the-Art in Automatic De-identification." *Journal of the American Medical Informatics Association*. September 2007;14(5):550-563.
39. **Uzuner Ö.**, Katz B. (2005). "A Comparative Study of Language Models for Book and Author Recognition." *Lecture Notes in Computer Science*. 2005;3651:969. Springer-Verlag GmbH. 2005.

INVITED PAPERS AND EDITORIALS

1. **Uzuner Ö.**, Stubbs A., Filannino M. (2017). Guest Editorial: "A Natural Language Processing Challenge for Clinical Records: Research Domains Criteria (RDoC) for Psychiatry." *Journal of Biomedical Informatics*. 2017 Nov;75S:S1-S3. doi: [10.1016/j.jbi.2017.10.005](https://doi.org/10.1016/j.jbi.2017.10.005).
2. **Uzuner Ö.**, Stubbs A. (2015). Guest Editorial: "Practical Applications for Natural Language Processing in Clinical Research: the 2014 i2b2/UTHealth shared tasks." *Journal of Biomedical Informatics*. 2015 Dec;58 Suppl:S1-S5. doi: 10.1016/j.jbi.2015.10.007.
3. **Uzuner Ö.**, Stubbs A., Sun W. (2013). Guest Editorial: "Chronology of Your Health Events: Approaches to Extracting Temporal Relations from Medical Narratives." *Journal of Biomedical Informatics*. 2013 Dec;46(0):S1-S4. doi: 10.1016/j.jbi.2013.11.005.
4. Chapman W.W., Nadkarni P. M., Hirschman L., D'Avolio L., Savova G., **Uzuner Ö.** (2011). "Overcoming Barriers to NLP for Clinical Text: The Role of Shared Tasks and the Need for Additional Creative Solutions." *Journal of the American Medical Informatics Association*. 2011;18:540-543. doi: 10.1136/amiajnl-2011-000465.
5. **Uzuner Ö.**, Argamon S., Karlgren J. (2006). "Workshop Report: Stylistics for Text Retrieval in Practice." *ACM SIGIR Forum*. December 2006;40(2). ACM Press.

BOOK CHAPTERS

1. Stubbs A., **Uzuner Ö.** (2017). Chapter: "De-identification of Medical Records Through Annotation." In: Ide N., Pustejovsky J. (eds) *Handbook of Linguistic Annotation*. Springer, Dordrecht. ISBN 978-94-024-0881-2.
2. Stubbs A., **Uzuner Ö.**, Kotfila C., Goldstein I., Szolovits P. (2015). Chapter: "Challenges in Synthesizing Surrogate PHI in Narrative EMRs" in *Medical Data Privacy Handbook*. Ed. Gkoulalas-Divanis, Aris and Loukides, Grigorios. 2015. Berlin: Springer. ISBN 978-3-319-23633-9.
3. McKnight L.W., Anius D., **Uzuner Ö.** (2004). Chapter: "Virtual Markets in Wireless Grids: Peering Policy Prospects" in *Quality of Service in Grids, Networks and Markets*. September 2004. MIT Press. ISBN 0-262-13448-9.
4. **Uzuner Ö.** (1999). Chapter: "Ownership Trends" in *Trends in Telecommunication Reform 1999: Convergence and Regulation* -2nd edition, 1999. International Telecommunications Union, Geneva, Switzerland; ISBN 92-61-08141-X.

PEER-REVIEWED CONFERENCE AND WORKSHOP PROCEEDINGS ARTICLES

1. Tao C., Filannino M., **Uzuner Ö.** (2018). "FABLE: A Semi-Supervised Prescription Information Extraction System." *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2018)*, San Francisco, CA, November 3-7, 2018.

2. Karuna P., Purohit H, **Uzuner Ö.**, Jajodia S., Ganesan R. (2018). "Enhancing Cohesion and Coherence of Fake Text to Improve Believability for Deceiving Cyber Attackers." *CoLING 2018 Workshop on Language, Cognition and Computational Models*, Santa Fe, New Mexico, August 20-26, 2018.
3. Lee J. Y., Démoncourt F., **Uzuner Ö.**, Szolovits P. (2016). "Feature-Augmented Neural Networks for Patient Note De-identification." *CoLING 2016 Workshop on Clinical NLP*, Osaka, Japan, December 2016.
4. Hagen L., Harrison T. M., **Uzuner Ö.**, Fake T., LaManna D., Kotfila C. (2015). "Introducing Semantic Tools for Policy Analysis: A Case Study of E-petitions." *Proceedings of the 16th International Digital Government Research Conference (dg.o 2015)*, Phoenix, Arizona, May 27-30, 2015.
5. Hagen L., **Uzuner Ö.**, Kotfila C., Harrison T, LaManna D. (2015). "Understanding Citizens' Direct Policy Suggestions to the Federal Government: A Natural Language Processing and Topic Modeling Approach." *Proceedings of the 48th Hawaiian International Conference on System Sciences (HICSS-48)*, Kauai, HI, January 5-8, 2015. IEEE Computer Society.
6. Luo Y., **Uzuner Ö.** (2014). "Semi-Supervised Learning to Identify UMLS Semantic Relations." *Proceedings of the AMIA 2014 Joint Summits on Translational Science*, San Francisco, CA, April 7-11, 2014.
7. Bodnari A., Névéol A., **Uzuner Ö.** Zweigenbaum P., Szolovits P. (2013). "Multilingual Named-Entity Recognition from Parallel Corpora." *Proceedings of the Cross-Language Evaluation Forum (CLEF-2013)*, Valencia, Spain, 23-26 September, 2013.
8. Huang K.-Y., Chengalur-Smith I., **Uzuner Ö.**, Nambisan P., Choi N. (2012). "Supporters in Deed: Studying Online Support Provision from the Perspective of Social Capital." *Proceedings of the 33rd International Conference on Information Systems (ICIS'12)*, Orlando, FL, December 16-19, 2012.
9. Huang K.-Y., Chengalur-Smith I., **Uzuner Ö.**, Nambisan P., Choi N. (2012). "Supporters in Deed: Studying Online Support Provision from the Perspective of Social Capital." *Proceedings of the 3rd Annual Workshop on Health IT and Economics (White'12)*, Washington, DC, October 5-6, 2012.
10. South B.R., Shen S., Barrus R., DuVall S.L., **Uzuner Ö.**, Weir C. (2011). "Qualitative Analysis of Workflow Modifications Used to Generate the Reference Standard for the 2010 i2b2/VA Challenge." *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2011)*, Washington, DC, October 22-26, 2011.
11. Huang K.-Y., Nambisan P., **Uzuner Ö.** (2010). "Informational Support or Emotional Support: Preliminary Study of an Automated Approach to Analyze Online Support Community Contents." *Proceedings of the 31st International Conference on Information Systems (ICIS'10)*, St. Louis, MO, December 12-15, 2010.
12. Goldstein I., **Uzuner Ö.** (2010). "Does Negation Really Matter?" In: Morante R., Sporleder C., Eds. *Proceedings of the Workshop on Negation and Speculation in Natural Language Processing*, Uppsala, Sweden 2010;23-7.
13. Halgrim S., Xia F., Solti I., Cadag E., **Uzuner Ö.** (2010). "Extracting Medication Information from Discharge Summaries." *Proceedings of the NAACL-HLT 2010 2nd Louhi Workshop on Text and Data Mining of Health Documents*, Los Angeles, CA, June 5-6, 2010.
14. Halgrim S.R., Xia F., Solti I., Cadag E., **Uzuner Ö.** (2010). "Statistical Extraction of Medication Information from Clinical Records." *Proceedings of the 2010 AMIA Summit on Translational Bioinformatics*, San Francisco, CA, March 10-12, 2010.
15. **Uzuner Ö.**, Mailoa J., Sibanda T. (2009). "Semantic Relations for Problem-Oriented Medical Records." *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2009)*, San Francisco, CA, November 14-18, 2009.
16. Goldstein I., **Uzuner Ö.** (2009). "Role of Preferred Terminology in the Classification of Medical Reports." *Proceedings of the 24th International Symposium on Computer and Information Sciences*, Kalkanli, Guzelyurt, Cyprus, September 14-16, 2009.
17. Luo Y., **Uzuner Ö.** (2009). "Causal Relation Extraction in Medical Discharge Summaries-a Hierarchical Rule-based Approach." *Proceedings of the 4th International Symposium on Health Informatics and Bioinformatics*, Ankara, Turkey, April 16-17, 2009.

18. **Uzuner Ö.**, Zhang X. Sibanda T. (2008). "Two Approaches to Assertion Classification." *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2008)*, Washington, DC, November 8-12, 2008.
19. Goldstein I., Arzumstyan A., **Uzuner Ö.** (2007). "Three Approaches to Automatic Assignment of ICD-9-CM Codes to Radiology Reports." *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2007)*, Chicago, IL, November 10-14, 2007.
20. Sibanda T., He T., Szolovits P., **Uzuner Ö.** (2006). "Syntactically-Informed Semantic Category Recognizer for Discharge Summaries." *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2006)*, pp. 714-718, Washington, DC, November 11-15, 2006.
21. **Uzuner Ö.**, Szolovits P., Kohane I. (2006). "i2b2 Workshop on Natural Language Processing Challenges for Clinical Records." *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2006)*, Washington, DC, November 10-11, 2006.
22. Sibanda T., **Uzuner Ö.** (2006). "Role of Local Context in De-identification of Ungrammatical, Fragmented Text." *Proceedings of the North American Chapter of Association for Computational Linguistics/Human Language Technology (NAACL-HLT 2006)*, pp. 65-73, New York, NY, June 5-7, 2006.
23. **Uzuner Ö.** (2006). "Linguistically Informed Digital Fingerprints for Text." *Proceedings of the SPIE, Security, Steganography, and Watermarking of Multimedia Contents VIII*, Delp III E.J., Wong P.W., Eds. 2006;6072:607208. San Jose, CA, January 15, 2006.
24. **Uzuner Ö.**, Katz B. (2005). "Style vs. Expression in Literary Narratives." *Proceedings of the 28th Annual International ACM SIGIR Conference (SIGIR 2005) Workshop on Using Stylistic Analysis of Text for Information Access*, Salvador, Brazil, August 15-19, 2005.
25. **Uzuner Ö.**, Katz B. (2005). "Capturing Expression Using Linguistic Information." *Proceedings of the 20th National Conference on Artificial Intelligence (AAAI-05)*, Pittsburgh, PA, July 9-13, 2005.
26. **Uzuner Ö.**, Katz B. (2005). "Using Syntactic Information to Identify Plagiarism." *Proceedings of the Association for Computational Linguistics Workshop on Educational Applications (ACL 2005)*, Ann Arbor, MI, June 25-30, 2005.
27. **Uzuner Ö.**, Davis R., Katz B. (2004). "Using Empirical Methods for Evaluating Expression and Content Similarity." *Proceedings of the 37th Hawaiian International Conference on System Sciences (HICSS-37)*, Hawaii, HI, January 5-8, 2004. IEEE Computer Society.
28. **Uzuner Ö.**, Davis R. (2003). "Content and Expression-Based Copy Recognition for Intellectual Property Protection." *Proceedings of the 3rd ACM Workshop on Digital Rights Management (DRM'03)*, Washington, DC, October 27, 2003.
29. Katz B., Hurwitz R., Lin J., **Uzuner Ö.** (2003). "Better Public Policy through Natural Language Information Access." *Proceedings of the National Conference on Digital Government Research*, Boston, MA, May 18-21, 2003.
30. **Uzuner Ö.**, Davis R. (2003). "Digital Fingerprinting for Distribution Volume Tracking: Intellectual Property Protection in Wireless Grids." *Proceedings of the International Conference on Computer, Communication and Control Technologies (CCCT '03)/9th International Conference on Information Systems Analysis and Synthesis (ISAS '03)*, Orlando, FL, July 31-August 2, 2003.
31. **Uzuner Ö.**, McKnight L. (2001). "Sales Taxes on the Internet: When and How to Tax?" *Proceedings of the 34th Annual Hawaiian International Conference on System Sciences (HICSS-34)*, Maui, HI, January 2001. IEEE Computer Society.

CONFERENCE PROCEEDINGS ARTICLES

1. Katz B., Marton G., Borchardt G., Brownell A., Felshin S., Loreto D., Louis-Rosenberg J., Lu B., Mora F., Stiller S., **Uzuner Ö.**, Wilcox A. (2005). "External Knowledge Sources for Question Answering." *Proceedings of the 14th Annual Text REtrieval Conference (TREC2005)*, Gaithersburg, MD, November 16, 2005.
2. Katz B., Bilotti M., Felshin S., Fernandes A., Hildebrandt W., Katzir R., Lin J., Loreto D., Marton G., Mora F., **Uzuner Ö.** (2004). "Answering Multiple Questions on a Topic from Heterogeneous Resources."

Proceedings of the 30th Text REtrieval Conference (TREC 2004), Gaithersburg, MD, November 16-19, 2004.

3. McKnight L., Anius D., **Uzuner Ö.** (2002). “Virtual Markets in Wireless Grids: Peering Policy Obstacles.” *Proceedings of the 30th Research Conference on Communications, Information and Internet Policy/30th Annual Telecommunications Policy Research Conference (TPRC-30)*, Alexandria, VA, September 28-30, 2002.

PEER-REVIEWED CONFERENCE PROCEEDINGS ABSTRACTS

1. Goel S., **Uzuner Ö.** (2013). “Estimating Semantic Orientation of Annual Reports”. *Proceedings of the 22nd Annual Research Workshop on Strategic and Emerging Technologies*, in conjunction with the Annual Meeting of the American Accounting Association, Anaheim, CA, August 3, 2013.
2. Chasin R., Rumshisky A., **Uzuner Ö.**, Szolovits P. (2012). “Using UMLS for Word Sense Disambiguation in Clinical Notes.” *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2012)*, Chicago, IL, November 3-7, 2012.

PEER-REVIEWED CONFERENCE POSTERS

1. Filannino M., Lee K., Jin D., Buchan K. P., Boag W., **Uzuner Ö.** (2018). “Precision Medicine: Matching Cancer Patients with Clinical Trials.” *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2018)*, San Francisco, CA, November 3-7, 2018.
2. Lee K., Filannino M., Jin D., Buchan K. P., Boag W., **Uzuner Ö.** (2018). “Precision Medicine: Matching Cancer Patients with Relevant Treatments.” *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2018)*, San Francisco, CA, November 3-7, 2018.
3. Tao C., Filannino M., **Uzuner Ö.** (2018). “Extracting ADRs from Drug Labels using Bi-LSTM and CRFs.” *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2018)*, San Francisco, CA, November 3-7, 2018.
4. Bodnari A., **Uzuner Ö.**, Szolovits P. (2014). “Syntactic Parsing for Resource-Poor Languages Using Multilingual Knowledge Mapping.” *Women in Machine Learning Workshop, NIPS*. Montreal, Canada. December 8-13, 2014.
5. Suo Y., Shen S., DuVall S.L., **Uzuner Ö.**, South B.R. (2012). “Evaluation and Visualization of Human Annotator Learning Patterns.” *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2012)*, Chicago, IL, November 3-7, 2012.
6. Forbush T., Shen S., Thibault J., Weir C., **Uzuner Ö.**, South B.R. (2011). “Using the UMLS as a Semantic Priming Mechanism for Co-reference Resolution in Annotation of Clinical Texts.” *Proceedings of the Fall Symposium of the American Medical Informatics Association (AMIA 2011)*, Washington, DC, October 22-26, 2011.
7. Nahnsen T., **Uzuner Ö.**, Katz B. (2005). “Lexical Chains and Sliding Locality Windows in Content-based Text Similarity Detection.” *Proceedings of the 2nd International Joint Conference on Natural Language Processing (IJCNLP-05)*, Jeju Island, Korea, October 11-13, 2005.
8. **Uzuner Ö.**, Katz B., Yuret D. (1999). “Word Sense Disambiguation for Information Retrieval.” *Proceedings of the 16th National Conference on Artificial Intelligence (AAAI '99)*, Orlando, FL, July 18-22, 1999.

TUTORIALS

1. **Uzuner Ö.**, Yetisgen M., Stubbs A. “Biomedical and Clinical Natural Language Processing.” *48th Annual Hawaii International Conference on System Sciences (HICSS 2015)*, Kauai, HI, January 5-8, 2015.
2. **Uzuner Ö.**, Yetisgen M., Stubbs A. “Biomedical and Clinical Natural Language Processing.” *25th International Conference on Computational Linguistics (CoLing 2014)*, Dublin, Ireland, August 23-29, 2014.

INVITED PRESENTATIONS

1. “i2b2 Clinical NLP Data Sets.” *American Medical Informatics Association*. Webinar. October 26, 2016.

2. "Eight years of i2b2 Shared-Task Challenges." *Association for Computational Linguistics Workshop on BioNLP (ACL 2014)*, Baltimore, MD, June 22-27, 2014.
3. "Medical Language Processing." *New Directions in Text Analysis Workshop. The Institute for Quantitative Social Science, Harvard University.* May 29-30, 2009.
4. "Natural Language Processing." *2006 Summer Scholars Program in Bioinformatics and Integrative Genomics (BIG), Harvard-MIT Health Sciences and Technology.* August 4, 2006.
5. "i2b2 First Shared-Task on Natural Language Challenges for Clinical Data." *NIH Roadmap, National Centers for Biomedical Computing.* 2006 All-Hands Meeting. July 17-19, 2006.

TEACHING

GEORGE MASON UNIVERSITY

Fairfax, VA

Volgenau School of Engineering

Department of Information Sciences and Technology

AIT690, Natural Language Processing, Fall 2018.

IT499/AIT590, Natural Language Processing, Spring 2018.

IT304, Information Technology in the Global Economy, Spring 2018.

UNIVERSITY AT ALBANY, STATE UNIVERSITY OF NEW YORK

Albany, NY

College of Computing and Information

Department of Information Studies

1. INF722, Information Organization, Fall 2013.

2. IIST433/533, Information Storage and Retrieval, Fall 2010, Fall 2011, Fall 2012, Fall 2013, Fall 2014.

3. IIST533 Online, Information Storage and Retrieval, Fall 2014, Fall 2016.

4. IIST424, Hardware and Operating Systems, Spring 2007, Fall 2007.

5. IIST523, Fundamentals of Information Technology, Fall 2006, Fall 2007, Fall 2010, Fall 2011, Fall 2012, Fall 2013, Fall 2014.

6. IIST566/666, Beyond Relevance: When is a Document Useful? Spring 2006, Spring 2007.

MIDDLE EAST TECHNICAL UNIVERSITY, NORTHERN CYPRUS CAMPUS

Cyprus

Computer Engineering

1. CNG 223, Discrete Computational Structures, Fall 2009.

2. CNG 140, C Programming, Spring 2009.

3. CNG 242, Programming Language Concepts, Spring 2008.

4. CNG 350, Software Engineering, Spring 2008.

5. CNG 230, Introduction to C Programming, Spring 2008, Spring 2009.

6. CNG 462, Introduction to Artificial Intelligence, Fall 2008.

7. CNG 111, Introduction to Computer Engineering Concepts, Fall 2008, Fall 2009.

PROFESSIONAL AFFILIATIONS AND SERVICE

EDITORIAL BOARD AND EDITORIAL REVIEWER BOARD

1. Academic Editor. *PLOS ONE*. Spring 2018-Present.
2. Editorial Board. *Journal of Intelligent Information Systems*. Fall 2017-Present.
3. Editorial Board. *Journal of Biomedical Informatics*. 2014-Present.
4. Editorial Board. *Artificial Intelligence Research*. 2012-Present.
5. Editorial Board. *Advances in Artificial Intelligence*. 2011-2014.

GUEST EDITOR

1. *Journal of the American Medical Informatics Association* [Special Focus Issue on Cohort Selection for Clinical Trials](#). Spring 2019-. Co-editors: Amber Stubbs and Dina Demner-Fushman.
2. *International Journal of Medical Informatics* special issue on Healthcare Text Analytics. Spring 2018-. Co-guest editors: Irena Spasic and Li Zhou.
3. *Journal of Biomedical Informatics* supplemental issue on 2016 CEGS Challenge. Fall 2016-Fall 2017. Co-guest editors: Amber Stubbs and Michele Filannino.
4. *Journal of Biomedical Informatics* supplemental issue on i2b2 2014 Challenges. Spring 2014-Fall 2015. Co-guest editor: Amber Stubbs.
5. *Journal of Biomedical Informatics* supplemental issue on i2b2 Temporal Relations Challenge. Spring 2013-Spring 2014. Co-guest editor: Amber Stubbs.

SCIENTIFIC PROGRAM COMMITTEE

1. American Medical Informatics Association (AMIA) 2019 Annual Symposium.
2. American Medical Informatics Association (AMIA) 2019 Informatics Summit.

SCIENTIFIC ADVISORY COMMITTEE

1. University of Colorado School of Medicine Shared Tasks. 2012.

PROFESSIONAL COMMITTEES

1. American Medical Informatics Association (AMIA) Awards Committee, 2018-19.
2. Women in AMIA Awards and Leadership Subcommittee, 2018-19.
3. Women in AMIA Mentoring and Networking Subcommittee, 2018-19.

SHARED-TASKS AND WORKSHOP ORGANIZATION

1. Organizer. Natural Language Processing Working Group Pre-Symposium: Graduate Student Consortium, Year-in-Review, and Community Shared Tasks. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2018), San Francisco, CA, November 3, 2018.
2. Co-Chair and Organizer. 2018 n2c2 Shared-Task and Workshop. Cohort Selection for Clinical Trials and Adverse Drug Events and Medication Extraction in EHRs. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2018), San Francisco, CA, November 2, 2018.
3. Steering Committee. The Sixth IEEE International Conference on Healthcare Informatics (ICHI 2018) International Workshop on Health Natural Language Processing (HealthNLP 2018), New York City, NY, June 5, 2018.
4. Organizer. Natural Language Processing Working Group Pre-Symposium: Graduate Student Consortium Highlight, and Codeathon. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2017), Washington, DC, November 4, 2017.
5. Co-Chair and Organizer. CEGS N-GRID Shared-Tasks and Workshop on Challenges in Natural Language Processing for Clinical Data. De-identification and Research Domains Criteria for Psychiatry. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2016), Chicago, IL, November 11, 2016.

6. Organizer. Natural Language Processing Working Group Pre-Symposium: Graduate Student Consortium and 'Hackathon'. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2016), Chicago, IL, November 12, 2016.
7. Organizer. Natural Language Processing Working Group Pre-Symposium – a Doctoral Consortium and a Workshop on Tools and resources demonstration and 'Connectathon!' In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2015), San Francisco, CA, November 14, 2015.
8. Organizer. Natural Language Processing Working Group Pre-Symposium – a Doctoral Consortium and a Workshop on Interoperability of Clinical NLP Systems. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2014), Washington, DC, November 15, 2014.
9. Co-Chair and Organizer. 7th i2b2/UTHealth Shared-Task and Workshop on Challenges in Natural Language Processing for Clinical Data. De-identification and Identifying risk factors for heart disease over time. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2014), Washington, DC, November 14, 2014.
10. Organizer. Natural Language Processing Working Group Pre-Symposium – a Doctoral Consortium and a Workshop on Open Source Systems. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2013), Washington, DC, November 15, 2013.
11. Co-Chair and Organizer. 6th i2b2 Shared-Task and Workshop on Challenges in Natural Language Processing for Clinical Data. Temporal relations. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2012), Chicago, IL, November 1, 2012.
12. Organizer. Natural Language Processing Working Group Pre-Symposium—a doctoral consortium and a data workshop. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2012), Chicago, IL, November 2, 2012.
13. Co-Chair and Organizer. 5th i2b2/VA Shared-Task and Workshop on Challenges in Natural Language Processing for Clinical Data. Co-reference Resolution. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2011), Washington, DC, October 21-22, 2011.
14. Session Chair. Fall Symposium of the American Medical Informatics Association (AMIA 2011), Washington, DC, October 21-22, 2011.
15. Organizing Committee. International Conference on Machine Learning 2011(ICML-11) Workshop on Learning from Unstructured Text, Bellevue, WA, June 28-July 2, 2011.
16. Co-Chair and Organizer. 4th i2b2/VA Shared-Task and Workshop on Challenges in Natural Language Processing for Clinical Data. Concepts, Assertions, and Relations. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2010), Washington, DC, November 12-13, 2010.
17. Chair and Organizer. 3rd i2b2 Shared-Task and Workshop on Challenges in Natural Language Processing for Clinical Data. Medication Extraction Challenge. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2009), San Francisco, CA, November 13-14, 2009.
18. Chair and Organizer. 2nd i2b2 Shared-Task and Workshop on Challenges in Natural Language Processing for Clinical Data. Obesity Challenge (A Shared-Task on Obesity): Who's obese and what co-morbidities do they (definitely/likely) have? In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2008), Washington, DC, November 7-8, 2008.
19. Chair and Organizer. i2b2 Workshop on Natural Language Processing Challenges for Clinical Records. In conjunction with the Fall Symposium of the American Medical Informatics Association (AMIA 2006), Washington, DC, November 10-11, 2006.
20. Co-chair. Special Interest Group on Information Retrieval 2006 (SIGIR 2006) Workshop on Directions in Computational Analysis of Stylistics in Text Retrieval, Seattle, WA, August 6-11, 2006.

PROGRAM COMMITTEE

1. The 7th IEEE International Conference on Healthcare Informatics (ICHI 2019), Beijing, China, June 10-13, 2019.

2. The Ninth International Louhi Workshop on Health Text Mining and Information Analysis (Louhi 2018), Brussels, Belgium, October 31–November 1, 2018.
3. The 3rd International Workshop on Knowledge Discovery in Healthcare Data (KDH 2018) co-located with IJCAI-ECAI 2018, Stockholm, Sweden, July 13-14, 2018.
4. ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM-BCB 2018), Washington, DC, August 29-September 1, 2018.
5. The 6th IEEE International Conference on Healthcare Informatics (ICHI 2018) International Workshop on Health Natural Language Processing (HealthNLP 2018), New York City, NY, June 5, 2018.
6. The 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT 2018), New Orleans, Louisiana, June 1-6, 2018.
7. UK Healthcare Text Analytics Conference (HealTAC 2018), Manchester, UK, April 18-19, 2018.
8. The Eighth International Louhi Workshop on Health Text Mining and Information Analysis (Louhi 2017), Sydney, Australia, August 11, 2017.
9. The Seventh International Workshop on Health Text Mining and Information Analysis (Louhi 2016), Austin, TX, November 2-6, 2016. In conjunction with EMNLP 2016.
10. 31st International Symposium on Computer and Information Sciences (ISCIS-16), Krakow, Poland, October 27-28, 2016.
11. 4th BioNLP Shared Task (BioNLP-ST 2016), Berlin, Germany, August 13, 2016.
12. 7th International Symposium on Semantic Mining in Biomedicine (SMBM 2016), Potsdam, Germany, August 4-5, 2016.
13. 30th International Symposium on Computer and Information Sciences (ISCIS-15), London, UK, September 21-25, 2015.
14. The Sixth International Workshop on Health Text Mining and Information Analysis (Louhi 2015), Lisbon, Portugal, September 17-21, 2015. In conjunction with EMNLP 2015.
15. The 5th International Symposium on Languages in Biology and Medicine (LBM-13), Tokyo, Japan, December 12-13, 2013.
16. 28th International Symposium on Computer and Information Sciences (ISCIS-13), Paris, France, October 28-9, 2013.
17. Conference and Labs of the Evaluation Forum 2013 (CLEF) eHealth, Student Mentoring Forum, Valencia, Spain, 23-26 September, 2013.
18. Conference and Labs of the Evaluation Forum 2013 (CLEF) eHealth, Valencia, Spain, 23-26 September, 2013.
19. Association for Computational Linguistics 2013 (ACL-13) Workshop on Biomedical Natural Language Processing (BioNLP), Sofia, Bulgaria, August 4-9, 2013.
20. Computational Semantics in Clinical Text, Potsdam, Germany, March 19, 2013.
21. 4th International Louhi Workshop on Health Document Text Mining and Information Analysis with the Focus of Cross-Language Evaluation, Sydney, NSW, Australia, February 11-12, 2013.
22. 21st Association for Computing Machinery (ACM) International Conference on Information and Knowledge Management (CIKM 2012) 5th International Workshop on Exploiting Semantic Annotations in Information Retrieval (ESAIR-12), Maui, HI, November 2, 2012.
23. Conference and Labs of the Evaluation Forum 2012 (CLEF-12) PAN 2012 Lab - Uncovering Plagiarism, Authorship, and Social Software Misuse, Rome, Italy, September 17-20, 2012.
24. 24th Conference of the European Federation for Medical Informatics (MIE-12) Workshop on Computational Methods in Pharmacovigilance, Pisa, Italy, August 28, 2012.
25. International Conference on Machine Learning 2012 (ICML-12) Workshop on Machine Learning for Clinical Data Analysis, Edinburgh, Scotland, June 30-July 1, 2012.
26. North American Chapter of the Association for Computational Linguistics 2012 (NAACL-12) Workshop on Biomedical Natural Language Processing (BioNLP), Montreal, Quebec, Canada, June 8, 2012.
27. 27th International Symposium on Computer and Information Sciences (ISCIS-12), Paris, France, October 3-5, 2012.

28. European Chapter of the Association for Computational Linguistics 2012 (EACL-12) Workshop on Innovative Hybrid Approaches to Process Textual Data, Avignon, France, April 22, 2012.
29. The 4th International Symposium on Languages in Biology and Medicine (LBM-11), Singapore, December 14-15, 2011.
30. 20th Association for Computing Machinery (ACM) Conference on Information and Knowledge Management (CIKM 2011) 4th Workshop on Exploiting Semantic Annotation in Information Retrieval, Glasgow, UK, October 28, 2011.
31. 26th International Symposium on Computer and Information Sciences (ISCIS-11). London, UK, September 26-28, 2011.
32. Conference and Labs of the Evaluation Forum 2011 (CLEF-11) PAN 2011 Lab - Uncovering Plagiarism, Authorship, and Social Software Misuse, Amsterdam, Netherlands, September 19-22, 2011.
33. Artificial Intelligence in Medicine 2011 (AIME-11) 3rd Louhi Workshop on Health Documentation Text Mining and Information Analysis, Bled, Slovenia, July 6, 2011.
34. International Workshop on Topic Feature Discovery and Opinion Mining (TFDOM-10) Joint with the 10th IEEE International Conference on Data Mining (ICDM'10), Sydney, Australia, December 13, 2010.
35. 19th Association for Computing Machinery (ACM) International Conference on Information and Knowledge Management (CIKM 2010) 3rd Workshop on Exploiting Semantic Annotations in Information Retrieval (ESAIR-10), Toronto, Canada, October 30, 2010.
36. 25th International Symposium on Computer and Information Sciences (ISCIS-10), London, UK, September 22-24, 2010, IEEE 2010.
37. Conference and Labs of the Evaluation Forum 2010 (CLEF-10) PAN 2010 Lab - Uncovering Plagiarism, Authorship, and Social Software Misuse, Padua, Italy, September 20, 2010.
38. Institute of Electrical and Electronics Engineers (IEEE) International Conference on Social Computing (SocialCom2010) Workshop on Finding Synergies Between Texts and Networks, Minneapolis, Minnesota, August 20-22, 2010.
39. North American Chapter of the Association for Computational Linguistics (NAACL) Human Language Technologies 2010 (HLT-10) 2nd Louhi Workshop on Text and Data Mining of Health Documents, Los Angeles, CA, June 5, 2010.
40. Conference of the Spanish Society for Natural Language Processing (SEPLN-09) 3rd International PAN Workshop - 1st Competition on Plagiarism Detection, San Sebastian, Spain, September 10, 2009.
41. 24th International Symposium on Computer and Information Sciences (ISCIS-09), Kalkanli, Cyprus, September 14-16, 2009, IEEE 2009.
42. International Conference on Health Informatics and Bioinformatics (HIBIT-09), Ankara, Turkey, April 2009.
43. ECAI-08 Workshop PAN. Uncovering Plagiarism, Authorship, and Social Software Misuse, Patras, Greece, July 21-25, 2008.
44. Association for Computing Machinery (ACM) Digital Rights Management 2007 (DRM-07), The Annual Digital Rights Management Workshop. ACM Conference in Computer and Communications Security, Alexandria, VA, October 29, 2007.
45. Recent Advances in Natural Language Processing 2007 (RANLP 2007) Workshop on Towards Genre-enabled Search Engines: The Impact of NLP, Borovets, Bulgaria, September 27, 2007.
46. Association for Computing Machinery (ACM) Special Interest Group on Information Retrieval (SIGIR-07) Workshop on Plagiarism Analysis, Authorship Identification, and Near-Duplicate Detection (PAN), Amsterdam, Netherlands, July 23-27, 2007.
47. Conference on Empirical Methods in Natural Language Processing (EMNLP-07) Conference on Computational Natural Language Learning (CoNLL), Prague, Czech Republic, June 28-30, 2007.
48. International Conference on Computational Linguistics (COLING-06) Association for Computational Linguistics (ACL) Workshop on Sentiment and Subjectivity in Text, Sydney, Australia, April 17, 2006.

REVIEWER

1. Book, *Introduction to Biomedical Natural Language Processing*, Dina Demner-Fushman, Kevin Cohen, Pierre Zweigenbaum, and Matthew Simpson, in Synthesis series "Human Language Technologies" by Morgan & Claypool, 2013.
2. Book, *Life Science*, Elsevier, 2009.
3. Book, *Genres on the Web: Computational Models and Empirical Studies*, 2008.
4. Grant, National Institutes of Health, 2018-Present.
5. Grant, Department of Veterans Affairs, 2018-Present.
6. Grant, National Science Foundation, 2012, 2017.
7. Grant, Science Foundation Ireland, 2008.
8. Journal Articles, *Journal of the American Medical Informatics Association Open*, 2018-Present.
9. Journal Articles, *Natural Language Engineering*, 2017-Present.
10. Journal Articles, *2017 IMIA Yearbook of Medical Informatics*.
11. Journal Articles, *Transactions on Information Systems*, 2015-Present.
12. Journal Articles, *Journal of Data and Information Quality*, 2015-Present.
13. Journal Articles, *Journal of Systems and Software*, 2013-Present
14. Journal Articles, *Electronics and Telecommunications Research Institute (ETRI) Journal*, 2010-Present.
15. Journal Articles, *BioMed Central Psychiatry*, 2010-Present.
16. Journal Articles, *BioMed Central Medical Informatics and Decision Making*, 2010-Present.
17. Journal Articles, *Journal of Healthcare Engineering*, 2010-Present.
18. Journal Articles, *Transactions on Information Forensics & Security*, 2010-Present.
19. Journal Articles, *BMC Bioinformatics* special issue on "Machine Learning for Biomedical Literature Analysis and Text Retrieval," 2010.
20. Journal Articles, *Journal of Information Science and Engineering*, 2009-Present.
21. Journal Articles, *Journal of the American Medical Informatics Association*, 2009-Present.
22. Journal Articles, *Bioinformatics*, 2009-Present.
23. Journal Articles, *Journal of Biomedical Informatics*, 2008-Present.
24. Journal Articles, *Artificial Intelligence in Medicine*, 2008-Present.
25. Journal Articles, *IEEE Internet Computing*, 2006-Present.
26. Conference Papers, International Conference on Information Systems (ICIS'12), 2012.
27. Conference Papers, 4th Annual Symposium on Information Assurance (ASIA'09), 2009.
28. Conference Papers, Innovative Applications of Artificial Intelligence (IAAI), 2009.
29. Conference Papers, 2nd IEEE International Conference on Semantic Computing (ICSC'08), 2008.
30. Conference Papers, Fall Symposium of the American Medical Informatics Association (AMIA), 2007-Present.

PAST AND PRESENT MEMBERSHIPS

1. American Medical Informatics Association.
2. American Medical Informatics Association Natural Language Working Group (NLP-WG).
3. Association for Computational Linguistics.
4. Association for Information Systems.
5. Society of Women Engineers.
6. MIT Educational Council.

SERVICE TO UNIVERSITY (GEORGE MASON UNIVERSITY)

1. Committee member, Promotion and Tenure Committee, Information Sciences and Technology Department, 2018.
2. Committee member, Adhoc Committee on Faculty Performance Review, Information Sciences and Technology Department, 2017.
3. Committee member, Search Committee, Information Sciences and Technology Department, 2017-18.
4. Committee member, Graduate Committee, Information Sciences and Technology Department, 2017-18.

SERVICE TO UNIVERSITY (UNIVERSITY AT ALBANY)

1. Reviewer, 2016-17 Presidential Innovation Fund for Research and Scholarship (PIFRS) program.
2. Chair, Search Committee, Environmental and Sustainable Engineering Department, College of Engineering and Applied Sciences, 2017.
3. Chair, Professional Development Committee, Computer Science Department, 2016-2017.
4. Committee Member, Project Team on Computer and Network Engineering, College of Computing and Information, 2013-2014.
5. Committee Member, Search Committee, Computer Science Department, 2013-2014.
6. Committee Member, Faculty Development Committee, Information Studies Department, 2010-2012, 2013-2014, 2014-2015.
7. Committee Member, Curriculum Committee, College of Computing and Information, 2013-2014.
8. Committee Member, CCI Faculty Commencement Committee, Informatics Department, 2013.
9. Committee Member, Curriculum Committee, Information Studies Department, 2012-2013, 2014-2015.
10. Committee Member, Student Affairs Committee, Information Studies Department, 2012-2013.
11. Committee Member, SUNY2020 UAlbany Impact Plan with the School of Public Health, 2012.
12. Committee Member, Task Force on the Future of Informatics. SUNY2020 Initiative, 2012.
13. Committee Member, Committee on Educational Policy & Procedures (CEP&P), Graduate Academic Council, 2011-2012.
14. Co-author, SUNY CCI Selective Investments proposal (w/ Dean Bloniarz et al.), 2007.
15. Committee Member, Special Activities Committee, Information Studies Department, 2008-2009.
16. Committee Member, Hiring Committee, CCI faculty search, 2007-2008.
17. Committee Member, Hiring Committee, Computer Science Department, 2007-2008.
18. Committee Member, Hiring Committee, INF Assistant Dean Search, 2007-2008.
19. Reviewer for INF PhD Comprehensive Exam, 2007-2008, 2013-2015.

CURRENT AND PAST RESEARCH SUPERVISEES (INCLUSIVE DATES; MIT STUDENTS ARE CO-SUPERVISED WITH PROF. SZOLOVITS)

POST-DOCTORAL STUDENTS

1. Filannino, Michele. Post-doctoral Associate. SUNY, Albany and MIT CSAIL. 2016-Summer 2018.
2. Stubbs, Amber. Post-doctoral Associate. SUNY, Albany and MIT CSAIL, 2012-2014. Currently Assistant Professor at Simmons College.
3. Goldstein, Ira. Post-doctoral Associate. SUNY, Albany and MIT CSAIL, 2011-2014. Currently Assistant Professor at Siena College.
4. Rumshisky, Anna. Post-doctoral Associate. SUNY, Albany and MIT CSAIL, 2011-2012. Currently Assistant Professor at University of Massachusetts at Lowell.

DOCTORAL STUDENTS

1. Tao, Carson. Ph.D., SUNY, Albany. Dissertation Committee Co-Chair, 2015- 2018, Research Supervisor, 2014, 2015- 2018. Received August 2018. Thesis Title: “Clinical Information Extraction from Unstructured Free-texts.”
2. Hagen, Loni. Ph.D., SUNY, Albany. Dissertation Committee Co-Chair, 2014-2016, Research Co-Supervisor, 2013-2016. Received June 2016. Thesis Title: “Topic Modeling for E-petition Analysis: Interpreting Petitioners’ Policy Priorities.” **College of Engineering and Applied Sciences (CEAS) 2017 Distinguished Dissertation Award.**
3. Luo, Yuan. Ph.D., MIT CSAIL. Dissertation Committee Co-Chair, 2014-2015, Research Co-Supervisor, 2011-2015. Received August 2015. Thesis Title: “Towards Unified Biomedical Modeling with Subgraph Mining and Factorization Algorithms.” **Second place (honorable mention) winner of the 2017 inaugural Doctoral Dissertation Award. American Medical Informatics Association (AMIA).**
4. Sun, Weiyi. Ph.D., SUNY, Albany. Dissertation Committee Chair, 2011-2014. Received December 2014. Thesis Title: “Time will Tell: Temporal Reasoning in Clinical Narratives and beyond.” **2014-2015 Distinguished Dissertation & MFA Project Award.**
5. Bodnari, Andreea. Ph.D., MIT CSAIL. Dissertation Committee Co-Chair, 2012-2014. Received June 2014. Thesis Title: “Joint Multilingual Learning for Coreference Resolution.”
6. Goldstein, Ira. Ph.D., SUNY, Albany. Dissertation Committee Chair, 2006-2011. Received June 2011. Thesis Title: “Automated Classification of the Narrative of Medical Reports Using Natural Language Processing.”
7. Bachwani, Avinash. SUNY, Albany. Dissertation Committee Member, 2014-2017, and Research Supervisor, 2012-2014. Received June 2017.
8. Huang, Ray. Ph.D., SUNY, Albany. Dissertation Committee Member, 2007-2013, and Research Supervisor, 2007-2008. Received August 2013.
9. Burk, Robin. Ph.D., SUNY, Albany. Dissertation Committee Member, 2007-2010. Received May 2010.
10. Goel, Sunita. Ph.D., SUNY, Albany. Dissertation Committee Member, 2007-2009. Received August 2009.
11. Lee, Jamie. George Mason University. Research Supervisor, 2017-Present.
12. Lee, Kahyun. George Mason University. Research Supervisor, 2017-Present.
13. Buchan, Kevin. SUNY, Albany. Research Supervisor, 2015-Present.
14. Kotfila, Chris. SUNY, Albany. Research Supervisor, 2013-2015. Trofimovsky, Alex. SUNY, Albany. Research Supervisor. 2015-2015.
15. Allegretti, Peter. SUNY, Albany. Research Supervisor, 2013.
16. Sprissler, Ethan. SUNY, Albany. Research Supervisor, 2012.
17. Sa, Ning. SUNY, Albany. Research Supervisor, 2011-2011.
18. Rennie, William. SUNY, Albany. Research Supervisor, 2008.
19. Lackey, Steven. SUNY, Albany. Research Supervisor, 2008.
20. Gharawi, Mohammad. SUNY, Albany. Research Supervisor, 2007.
21. Arumzstyan, Anna. SUNY, Albany. Research Supervisor, 2007.

EXTERNAL DOCTORAL STUDENTS

1. Nguyen, Hoang Minh Dung. University of Sydney. External Dissertation Examiner, 2013.
2. Barrett, Neil. University of Victoria, BC, External Dissertation Examiner, 2012.
3. Asgari, Pooyan. University of Sydney. External Dissertation Examiner, 2012.
4. Kafkas, Senay. Eastern Mediterranean University. External Dissertation Defense Committee Member, 2012.

MASTERS STUDENTS

1. Bhatia, Varun. Master of Science, SUNY, Albany. Research Supervisor, 2013.
2. Chasin, Rachel. Master of Engineering, MIT. Research Co-supervisor, 2012-2013.
3. Bodnari, Andreea. Master of Science, MIT. Master's Thesis Co-supervisor, 2010-2012. Received August 2012. Thesis Title: "A Medication Extraction Framework for Electronic Health Records."
4. Tafvizi, Arya. Master of Engineering, MIT. Master's Thesis Co-supervisor, 2010-2011. Received August 2011. Thesis Title: "A De-identifier for Electronic Medical Records Based on a Heterogeneous Feature Set."
5. Burford, Ken. Master of Science, SUNY, Albany. Research Supervisor, 2010-2011.
6. Ryan, Russell J. Master of Engineering, MIT. Master's Thesis Co-supervisor, 2009-2011. Received February 2011. Thesis Title: "Ground truth Budgeting: A Novel Approach to Semi-Supervised Relation Extraction in Medical Language."
7. Cagan, Ferhat. Master of Science, SUNY, Albany. Research Supervisor, 2008-2010, and Master's Project Supervisor, 2010. Received August 2010. Project Title: "MultiSmoker: A Tool for Multiple Smoking Status Classifier Combination."
8. Zhan, Yu. Master of Science, SUNY, Albany. Research Supervisor, 2008.
9. Song, Chen. Master of Science, SUNY, Albany. Research Supervisor, 2008.
10. Qian, Chen. Master of Science, SUNY, Albany. Master's Project Supervisor, 2007-2008. Received August 2008. Project Title: "Event classification and entity extraction from medical discharge summaries."
11. Luo, Yuan. Master of Science, SUNY, Albany. Research Supervisor and Master's Project Supervisor, 2006-2007. Received August 2007. Project Title: "Clustering Semantic Relations of Noun Phrase Pairs."
12. He, Tian. Master of Engineering, MIT. Master's Thesis Co-supervisor, 2006-2007. Received September 2007. Thesis Title: "Coreference Resolution on Entities and Events for Hospital Discharge Summaries."
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