

**E. Cecilia Ovesdotter Alm, Ph.D.**

**Professor, Rochester Institute of Technology**

Department of Psychology, College of Liberal Arts

Joint Program Director for the MS in AI in the School of Information

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**EDUCATION**

**2003 – 2008    Doctor of Philosophy in Linguistics**  
**University of Illinois at Urbana-Champaign, awarded in May 2008**

- Title: *Affect in Text and Speech*    tinyurl.com/coadissertation
- Advisor: Richard Sproat
- Committee: Dan Roth, Roxana Girju, Chilin Shih, Xavier Llorà
- Subfields: Computational linguistics, semantics, affective computing

**Certificates, year awarded**

- Certificate in Technology-Enhanced Teaching, 2008
- Graduate Teacher Certificate, 2008
- Certificate of Adv Study in Language and Speech Processing, 2007
- Certificate of Grad Spec in Computational Science and Engineering, 2007

**2000 – 2002    Master of Arts in Linguistics**  
**University of Illinois at Urbana-Champaign, awarded in May 2002**

- Qualifying exams *Computational ling, sociolinguistics, syntax, phonology*

**1995 – 2000    University Studies at Universität Wien, Vienna, Austria**

- *English and American Studies* (lang & lit), *Scand Studies* (langs & lits)
  - Additional coursework, *Center for Translation Studies*
  - UIUC-Austria Exchange Program, *awarded Universität Wien, 1999-2000*
  - University of Pittsburgh, *visiting student, Dean's Honor List, Spring 1999*
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**ACADEMIC POSITIONS AND EXPERIENCE**

**2022 –        Joint Program Director for the MS program in Artificial Intelligence, School of Information, RIT**

**2022 –        Professor, College of Liberal Arts, RIT**

- Affiliated Faculty, *Department of Computer Science, Golisano College of Computing and Information Sciences, 2019-*
- PhD Program Faculty (previously Extended Faculty), *PhD Program in the Golisano College of Computing and Information Sciences, 2012/13-*

2017–2022	<b>Associate Professor</b> , <i>College of Liberal Arts, RIT</i> <ul style="list-style-type: none"> <li>• Faculty, BS track focused on computational linguistics/linguistics</li> <li>• Affiliated Faculty, BS in Humanities, Computing and Design (previously: Digital Humanities &amp; Social Sciences), 2016-</li> </ul>
2012-2017	<b>Assistant Professor</b> , <i>College of Liberal Arts, RIT</i>
2010-2012	<b>Visiting Assistant Professor</b> , <i>College of Liberal Arts, RIT</i>
2008-2010	<b>Lecturer in Swedish</b> , <i>Department of German Studies, Cornell University</i>
Spr 2008	<b>Teaching Assistant</b> , <i>Linguistics, UIUC</i>
2007-2008	<b>Research Assistant</b> , <i>Dr. Anna Stenport, UIUC</i>
Sum 2007	<b>Teaching Assistant</b> , <i>Swedish, UIUC</i>
2004-2007	<b>Research Assistant</b> , <i>Dr. Richard Sproat, UIUC</i>
2003-2004	<b>Graduate Assistant</b> , <i>App Techn for Learning in the Arts &amp; Sciences, UIUC</i>
2002-2003	<b>University Instructor</b> , <i>Universidad San Francisco de Quito, Ecuador</i>
Sum 2001	<b>Research Assistant</b> , <i>Dr. Braj B. Kachru, UIUC</i>
2000-2001	<b>Teaching Assistant</b> , <i>Linguistics, Swedish, German, UIUC</i>

#### OTHER PROFESSIONAL RECOGNITION

2022 –	<b>Associate Director</b> , <i>Center for Human-Aware Artificial Intelligence</i>
2022	<b>College of Liberal Arts nominee for Trustees Scholarship Award</b> , CLA, RIT
2021 –	<b>NRT Director/PI</b> , <i>NRT-AI: AWARE-AI</i> , <a href="https://www.rit.edu/nrtai/">https://www.rit.edu/nrtai/</a>
2021 –	<b>Consultant</b> for PI Sayaka Osanami Törngren, <i>Malmö University: Exploration of hiring discrimination and possibilities for intervention through eye-tracking (Swedish Research Council/Vetenskapsrådet, Sweden)</i>
2020	<b>Featured Faculty</b> , <i>RIT 2019 Scholarship Report</i> <a href="https://www.rit.edu/academicaffairs/facultyscholarship/">https://www.rit.edu/academicaffairs/facultyscholarship/</a>
2019 – 2020	<b>Visiting Research Professor</b> , <i>Department of Computer Science and Media Technology, Malmö University, Sweden</i>
2018 – 2022	<b>Human-centered AI Lead</b> , <i>Center for Human-Aware Artificial Intelligence</i>
2016	<b>Best Paper Award</b> , ETRA, with PhD student P. Vaidyanathan and co-authors
2014, 16, 19	<b>Mentor of Kathryn Womack, William Paul, Katharine MacLaren</b> <i>RIT/NTID Outstanding Undergraduate Scholar Award winners</i>
2014 –	<b>Research associate/WOC</b> , <i>Department of Veterans Affairs, VA WNY</i>
2014 –	<b>Founding director</b> , <i>Computational Linguistics &amp; Speech Processing Lab, RIT</i> Since 2020, additionally co-organizer of inter-lab activities in an NLP at RIT initiative; see <a href="https://www.rit.edu/nlp">https://www.rit.edu/nlp</a> and <a href="https://twitter.com/nlpmit">https://twitter.com/nlpmit</a>
2015 – 2016	<b>Independent contractor</b> , <i>Soleo Communications, Inc.</i>
2014 – 2016	<b>Consulting expert</b> for PI M. Lytle, <i>URMC, NIH, KL2</i>
2014	<b>Co-advisor of RIT MS student R. Johar</b> , <i>Best Poster Award, Computer Science MS Capstone Project</i>

2011 – **Faculty participant**, *Multidisciplinary Vision Research Lab, 3M Lab, RIT*  
 2007 **Chin W. Kim Student Research Award**, *Department of Linguistics, UIUC*  
 2000 – 2007 **Campus-level teaching recognition** for courses taught as main instructor at UIUC  
*based on student evaluations (Sum 2007, Fall 2001, Spr 2001, Fall 2000)*

### RIT Research Center of Excellence

2018 – **Center for Human-Aware AI**, founding core faculty

### RIT Signature Interdisciplinary Research Areas (SIRAs)

2016 – **Personalized Healthcare Technology (PHT180)**, Co-PI and leadership team member

2016 – **Sociotechnical Approaches to Cybersecurity**, team member

### GRANTS AND OTHER FUNDING

#### Awarded grants (notification month, source, amount, grant/project title, role)

Aug 2021 **National Science Foundation** **\$1,994,676**  
*NRT-AI: AWARE-AI: AWAREness for sensing humans responsibly with AI.*  
 PI. With R. Bailey, F. Sahin, E. Rantanen, and M. Huenerfauth and SP.

Jun 2021 **National Science Foundation** **\$4,188**  
*FASED supplemental funding.*  
 PI. With R. Bailey

Sep, Dec 2020 **Funding to MAU** (co-written while on sabbatical: 140K+139K SEK  $\approx$  33K USD)

- *Boosting HCI - Growing end user digitalisation research at Malmö University by prototyping and piloting a framework for graduate student lab visits at RIT*  
 Key person (host of PhD student visit to CLaSP lab, postponed due to the ongoing pandemic). With T. Pederson and J. Font, MAU. Swedish Foundation for International Cooperation in Research and Higher Education
- *An internationalization at home strategy to expand internationalizing experiences for students in STEM.* International collaborator. With A. Loconsole, MAU.

Aug 2019 **National Science Foundation** **\$20,000**  
*Supplemental funding*  
 PI. With R. Bailey

Feb 2019 **National Science Foundation** **\$359,927**  
*REU Site: Computational sensing for human-centered AI (NSF award# 1851591)*  
 PI. With R. Bailey and team, see <https://cs.rit.edu/~reu/>

Dec 2018 **ENGL** **\$2,000**  
*Co-support of software license for research*  
 CLaSP Lab Director

Nov 2018 **CoLA Dean's Office** **\$6,015**  
*Lab booth equipment for linguistic research*

	CLaSP Lab Director and Linguistics Curriculum Committee Chair	
Sep 2018	<b>NIH – Subaward</b> <i>Automated analysis of pragmatic language development in ASD</i> Subaward PI. With E. Prud'hommeaux, Boston College	\$18,650
Mar 2018	<b>Provost Learning and Innovation Grant</b> <i>Expanding the use of natural language processing AI in linguistics classrooms</i> PI.	\$5,000
Oct 2017	<b>CoLA Dean's Office</b> <i>Lab equipment for linguistic and multimodal research</i> CLaSP Lab Director.	\$16,000
Mar 2017	<b>CoLA Faculty Development Grant</b> <i>Extending opportunities for human-focused sensing research</i> PI. With R. Bailey	\$5,000
Mar 2017	<b>GCCIS Dean's Office Grant</b> <i>Enhancing software and hardware resources for computational sensing research</i> Co-PI. With R. Bailey	\$12,000
Mar 2016	<b>Provost Learning and Innovation Grant</b> <i>Enhancing data analysis in language science classrooms with Linguine, a web-based application, and pedagogical case studies</i> PI. With E. Prud'hommeaux	\$5,000
Jan 2016	<b>National Science Foundation</b> <i>REU Site: Computational sensing (NSF award# 1559889)</i> PI. With R. Bailey and team	\$359,866
Jan 2016	<b>GCCIS Seed Funding Program – Research Continuation</b> <i>Understanding life changing events in social media</i> Co-PI. With C. M. Homan	\$10,000
Nov 2015	<b>Wallace Center Faculty Mentoring Grant</b> <i>Interdisciplinary faculty collaboration on computational analysis of community macro-wellness in social media</i> PI. With C. M. Homan and R. Ptucha	\$2,000
Dec 2014	<b>CoLA SRDP: Proposal Development Grant</b> <i>Computational analysis of trajectories of linguistic development in autism</i> Joint-PI. With E. Prud'hommeaux	\$9,997
Sep 2014	<b>CoLA Special Events Funding</b> <i>Distinguished computational linguistics lecture with Dr. Dan Roth</i> PI. Matched with \$1705 from GCCIS PhD unit	\$1,705
July 2014	<b>American Foundation for Suicide Prevention (AFSP)</b> <i>Using text messages to predict depression and suicidal behavior among LGBT individuals</i> Subaward Co-I. With C. M. Homan, RIT, and M. Lytle, URMCC	\$27,405
Oct 2013	<b>Kodak Endowed Chair Fund/HealthIT Strategic Initiative</b> <i>Mining heterogeneous, complex, and evolving electronic health records for early dementia detection</i> Co-PI. With Q. Yu and R. A. Proaño	\$44,500
Oct 2013	<b>Kodak Endowed Chair Fund/HealthIT Strategic Initiative</b> <i>Sensor fusion for cognitive load and stress monitoring and detection</i> Co-PI. With L. Wang, R. Bailey, and J. Geigel	\$42,000

Oct 2013	<b>Kodak Endowed Chair Fund/HealthIT Strategic Initiative</b> <i>A social-computational understanding of the Werther effect</i> Co-PI. With C. M. Homan and M. Long	\$50,000
Oct 2013	<b>CoLA SRDP: Proposal Development Grant</b> <i>Toward natural language understanding of diagnostic reasoning processes</i> PI. With A. R. Haake and R. A. Proaño.	\$4,000
Jul 2013	<b>OVPR Proposal Revision Fund</b> <i>Proof of concept demonstration: Case study on capturing and analyzing multimodal behaviors of diverse students</i> Co-PI. With P. Shi, A. R. Haake, and J. B. Pelz	\$5,000
Jul 2013	<b>OVPR Proposal Revision Fund</b> <i>Meta-review toward a clinical computer-based training system</i> Co-PI. With A. R. Haake	\$4,950
Jul 2013	<b>Office of the Dean for Graduate Studies - Continued</b> <i>Workshop for graduate education week</i> PI. With T. Engström	\$2,800
Feb 2013	<b>CoLA SRDP: Jr - Sr Researcher Collaborative Initiative</b> <i>Communication between medical professionals and patients with time constraints and unreliable information: Objective measurement and modeling</i> Co-PI. With T. Worrell and E. M. Rantanen [\$8,000 total]	\$3,000
Dec 2012	<b>GCCIS Seed Funding Program – Research Continuation</b> <i>Computational linguistics modeling of diagnostic accuracy, confidence, and cognitive load</i> Co-PI. With P. Shi and A. R. Haake	\$7,800
May 2012	<b>Innovation in Graduate Education Strategic Seed Grant/CoLA</b> <i>A transdisciplinary modular boot camp about knowledge representation</i> PI. With A. R. Haake and T. Engström	\$8,000
Mar 2012	<b>CoLA Faculty Development Grant</b> <i>Patient-physician communications: Measurement and modeling of a critical healthcare issue</i> Co-PI. With T. Worrell and E. M. Rantanen [\$9,000 total]	\$3,000
Jan 2012	<b>GCCIS Seed Funding Program</b> <i>Detecting physicians' uncertainty with NLP</i> Co-PI. With P. Shi and A. R. Haake	\$12,000
Oct 2011	<b>Swedish Institute</b> <i>2012 symposium commemorating August Strindberg: Author, visual artist, &amp; playwright</i> PI.	\$5,150
Feb/Mar 2011	<b>CoLA, ELC, GCCIS, ENGL</b> <i>Symposium on language, technology, &amp; media</i> Joint-PI. With S. van Horn	\$2,876
Jan 2011	<b>Sponsored Research Services</b> <i>A pilot study on tackling mental wellness through computational natural language modeling</i> PI.	\$5,000
Dec 2010	<b>Swedish Institute</b> <i>Introducing Swedish language and culture course + travel</i> (Co-)PI. With R. Santana	\$10,500 +travel

2009, 2008	<b>Cornell Institute for European Studies</b> <i>Travel grants; Field trip grant; Faculty research grant</i> PI.	\$3,105
Nov, Feb 2009	<b>Brooks Family Foundation, Ithaca</b> <i>Gifts to support cultural programs and efforts that benefit the students</i>	\$2,000
Apr 2009	<b>Swedish Institute</b> <i>Symposium on Sweden &amp; Scandinavia in their international contexts</i> PI. [IES, German St, SOCHUM match: \$1,000]	\$1,250
Dec 2008	<b>Consortium for Language Teaching and Learning</b> <i>Development of Web Audio Lab oral study materials for introductory Swedish; Novel textbook and multimedia workbook materials for introductory Swedish</i> PI.	\$4,706
Nov 2008	<b>Swedish Institute</b> <i>Support for course development within the Cornell Swedish language program</i> PI.	\$7,863.59
2005, 2006	<b>UIUC Graduate College</b> <i>Travel grants</i>	

**Other role on award:**

2022	<b>NIH</b> <i>RIT undergraduate research initiative for student enhancement program for deaf and hard of hearing baccalaureate students (RIT U-RISE). Faculty mentor. With V. Samar's team.</i>
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**PUBLICATIONS**

*In computational linguistics/natural language processing/speech science-technology, and relatedly in the computing and information sciences, co-authorship is the norm and articles published in conference proceedings have strong standing—authors submit full paper-length manuscripts (long or short) for double blind or blind peer review. **H-index** (Aug., 2022): Google scholar (all): **18**; Semantic scholar: **16**. **Students indicated with** \* = undergraduate, \$ = Master's (incl. BS/MS) student, # = PhD student*

**Monograph**

1. **Cecilia O. Alm.** 2009. *Affect in Text and Speech*. Saarbrücken: VDM Verlag. ISBN 978-3-639-11148-4. Link: <https://www.amazon.com/Affect-Text-Speech-Cecilia-Ovesdotter/dp/3639111486>.

**Articles in refereed journals**

1. **Cecilia O. Alm** and Reynold Bailey. 2022. Scientific skills, identity, and career aspiration development from early research experiences in computer science. *Journal of Computational Science Education*, 13(1): 2-16.
2. Subhra Tewari\*, Renos Zabounidis\*, Ammina Kothari, Reynold Bailey, and **Cecilia O. Alm**. 2021. Perceptions of human and machine-generated articles. *Journal of Digital Threats: Research and Practice*, 2(2) 1-16.
3. **Cecilia O. Alm** and Reynold Bailey. 2021. Transitioning from teaching to mentoring: Supporting students to adopt mentee roles. *Journal for STEM Education Research*, 4(1): 95-

114. doi:10.1007/s41979-020-00045-9.
4. Christopher M. Homan, J. Nicolas Schrading, Raymond W. Ptucha, Catherine Cerulli, and **Cecilia O. Alm**. 2020. Quantitative methods for analyzing intimate partner violence in microblogs: Observational study. *Journal of Medical Internet Research*, 22(11), e15347, 1-15.
  5. Preethi Vaidyanathan, Emily Prud'hommeaux, **Cecilia O. Alm**, and Jeff Pelz. 2020. Computational framework for fusing eye movements and spoken narratives for image annotation. *Journal of Vision*, 20(7):13, 1-28.
  6. Jessica Li\*, Matt Luetzgen\*, Sedeeq Al-Khazraji#, Matt Huenerfauth, Reynold Bailey, and **Cecilia O. Alm**. 2020. Gaze guidance for captioned videos for DHH users. *Journal on Technology and Persons with Disabilities*, 8: 69-81, California State University, Northridge.
  7. Rui Li, Pengcheng Shi, Jeff B. Pelz, **Cecilia O. Alm**, and Anne R. Haake. 2016. Modeling eye movement patterns to characterize perceptual skill in image-based diagnostic reasoning processes. *Computer Vision and Image Understanding*, 151: 138-152.
  8. Xuan Guo#, Qi Yu, Rui Li, **Cecilia O. Alm**, Cara Calvelli, Pengcheng Shi, and Anne R. Haake. 2016. Intelligent medical image grouping through interactive learning. *International Journal of Data Science and Analytics*. doi:10.1007/s41060-016-0021-2.
  9. **Cecilia O. Alm**. 2016. Language as sensor in human-centered computing: Clinical contexts as use cases. *Language & Linguistics Compass: Computational & Mathematical*, 10(3): 105-119.
  10. **Cecilia O. Alm**, Kathryn Womack\*, Anne R. Haake, and Timothy Engström. 2016. A pedagogical model for computational linguistics across curricular boundaries. *Language & Linguistics Compass*, 10(7): 335-345.
  11. Xuan Guo#, Qi Yu, **Cecilia O. Alm**, Cara Calvelli, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2014. From spoken narratives to domain knowledge: Mining linguistic data for medical image understanding. *Journal of Artificial Intelligence in Medicine*, 62(2): 79-90.
  12. **Cecilia O. Alm**. 2012. The role of affect in the computational modeling of *natural* language. *Language & Linguistics Compass: Computational & Mathematical*, 6(7): 416-430.
  13. Anna W. Stenport and **Cecilia O. Alm**. 2009. Corporations, crime, and gender construction in Stieg Larsson's *The Girl With the Dragon Tattoo*: Exploring twenty-first century neoliberalism in Swedish culture. *Scandinavian Studies Journal*, 81(2): 157-178.
  14. **Cecilia O. Alm**. 2003. English in the Ecuadorian commercial context. *World Englishes*, 22(2): 143-158.

#### Papers in refereed conference proceedings

1. Farhad Akhbardeh#, Marcos Zampieri, **Cecilia O. Alm**, and Travis Desell. 2022. Transfer learning methods for domain adaptation in technical logbook datasets. In *Proceedings of the 13<sup>th</sup> Conference on Language Resources and Evaluation*, pages 4235-4244, Marseille, France.
2. **Cecilia O. Alm**, Reynold Bailey, and Hannah Miller#. 2022. Remote early research experiences for undergraduate students in computing. In *Proceedings of the SIGCSE Technical Symposium 2022*, pages 43-49, Providence, Rhode Island.
3. Saad Hassan#, Matt Huenerfauth, and **Cecilia O. Alm**. 2021. Unpacking the interdependent systems of discrimination: Ableist bias in NLP systems through an intersectional lens.

*Findings of the Association for Computational Linguistics: EMNLP 2021*, pages 3116-3123, Punta Cana, Dominican Republic.

4. Farhad Akhbardeh<sup>#</sup>, **Cecilia O. Alm**, Marcos Zampieri, and Travis Desell. 2021. Handling extreme class imbalance in technical logbook datasets. In *Proceedings of the 59<sup>th</sup> Annual Meeting of the Association for Computational Linguistics and the 11<sup>th</sup> International Joint Conference on Natural Language Processing (Long Papers)*, pages 4034-4045, online.
5. **Cecilia O. Alm** and Alex Hedges<sup>§</sup>. 2021. Visualizing NLP in undergraduate students' learning about natural language. In *Proceedings of the AAAI Conference on Artificial Intelligence, 35(17)*, pages 15480-15488, EAAI-21 online
6. Natalie Maus<sup>\*</sup>, Dalton Rutledge<sup>\*</sup>, Sedeeq Al-Khazraji<sup>#</sup>, Reynold Bailey, **Cecilia O. Alm**, and Kristen Shinohara. 2020. Gaze-guided magnification for individuals with vision impairments. In *Proceedings of CHI 2020 (Late Breaking Work)*, pages 1-8, online.
7. Jonathan Kvist<sup>\*</sup>, Philip Ekholm<sup>\*</sup>, Preethi Vaidyanathan, Reynold Bailey, and **Cecilia O. Alm**. 2020. Dynamic visualization system for gaze and dialogue data. In *Proceedings of the 15th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications – Volume 2: HUCAPP (Fourth International Conference on Human Computer Interaction Theory and Applications)*, pages 138-145, Valletta, Malta.
8. Regina Wang<sup>\*</sup>, Bradley Olson<sup>\*</sup>, Preethi Vaidyanathan, Reynold Bailey, and **Cecilia O. Alm**. 2019. Fusing dialogue and gaze from discussions of 2D and 3D scenes. In *Adjunct of the 21st ACM International Conference on Multimodal Interaction*, pages 1:1-6, Suzhou, China.
9. Monali Saraf<sup>\*</sup>, Tyrell Roberts<sup>\*</sup>, Raymond Ptucha, Christopher Homan, and **Cecilia O. Alm**. 2019. Multimodal anticipated versus actual perceptual reactions. In *Adjunct of the 21st ACM International Conference on Multimodal Interaction*, pages 2:1-5, Suzhou, China.
10. Lucas Kessler<sup>\*</sup>, **Cecilia O. Alm**, and Reynold Bailey. 2019. Synthesized spoken names: Biases impacting perception. In *Proceedings of Interspeech (Show and Tell)*, pages 3689-3690, Graz, Austria.
11. Sushant Kafle<sup>#</sup>, **Cecilia O. Alm**, and Matt Huenerfauth. 2019. Fusion strategy for prosodic and lexical representations of word importance. In *Proceedings of Interspeech*, pages 1313-1317, Graz, Austria.
12. Gustaf Bohlin<sup>\*</sup>, Kristoffer Linderman<sup>\*</sup>, **Cecilia O. Alm**, and Reynold Bailey. 2019. Considerations for face-based data estimates: Affect reactions to videos. In *Proceedings of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications - Volume 2: HUCAPP (Third International Conference on Human Computer Interaction Theory and Applications)*, pages 188-194, Prague, Czech Republic.
13. Preethi Vaidyanathan, Emily T. Prud'hommeaux, Jeff B. Pelz, and **Cecilia O. Alm**. 2018. SNAG: Spoken narratives and gaze dataset. In *Proceedings of the 56<sup>th</sup> Annual Meeting of the Association for Computational Linguistics (Short Papers)*, pages 132-137, Melbourne, Australia.
14. Benjamin S. Meyers<sup>\*</sup>, Nuthan Munaiah<sup>#</sup>, Emily Prud'hommeaux, Andrew Meneely, **Cecilia O. Alm**, Josephine Wolff, and Pradeep Murukannaiah. 2018. A dataset for identifying actionable feedback in collaborative software development. In *Proceedings of the 56<sup>th</sup> Annual Meeting of the Association for Computational Linguistics (Short Papers)*, pages 126-131, Melbourne, Australia.



15. **Cecilia O. Alm** and Reynold Bailey. 2017. Team-based, transdisciplinary, and inclusive practices for undergraduate research. In *Proceedings of IEEE 47th Annual Frontiers in Education (FIE) Conference*, 10.1109/FIE.2017.8190553, Indianapolis, Indiana.
16. **Cecilia O. Alm**, Benjamin S. Meyers\*, and Emily Prud'hommeaux. 2017. An analysis and visualization tool for case study learning of linguistics concepts. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (Demo papers)*, pages 13-18, Copenhagen, Denmark.
17. Nuthan Munaiah#, Benjamin S. Meyers\*, **Cecilia O. Alm**, Andrew Meneely, Pradeep K. Murukannaiah, Emily Prud'hommeaux, Josephine Wolff, and Yang Yu. 2017. Natural language insights from code reviews that missed a vulnerability: A large scale study of Chromium. In *Proceedings of the International Symposium on Engineering Secure Software and Systems*, pages 70-86, Bonn, Germany.
18. Andamlak Terkik\$, Emily Prud'hommeaux, **Cecilia O. Alm**, Christopher Homan, and Scott Franklin. 2016. Analyzing gender bias in student evaluations. In *Proceedings of COLING, the 26th International Conference on Computational Linguistics: Technical Papers*, pages 868-876, Osaka, Japan.
19. Tong Liu#, Christopher Homan, **Cecilia O. Alm**, Megan Lytle, Ann Marie White, and Henry Kautz. 2016. Understanding discourse on work and job-related well-being in public social media. In *Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics*, pages 1044-1053, Berlin, Germany.
20. Xuan Guo#, Qi Yu, Rui Li, **Cecilia O. Alm**, Cara Calvelli, Pengcheng Shi, and Anne R. Haake. 2016. An expert-in-the-loop paradigm for learning medical image grouping. In *Proceedings of the 20th Pacific Asia Conference on Knowledge Discovery and Data Mining*, pages 477-488, Auckland, New Zealand (LNAI 9651, Heidelberg, New York: Springer).
21. Preethi Vaidyanathan#, Jeff B. Pelz, Emily Prud'hommeaux, **Cecilia O. Alm**, and Anne R. Haake. 2016. Fusing eye movements and observer narratives for expert-driven image-region annotations. In *Proceedings of ETRA*, pages 27-34, Charleston, South Carolina. **Best paper award** (March 16, 2016).
22. Nicolas Schrading\$, **Cecilia O. Alm**, Ray Ptucha, and Christopher M. Homan. 2015. An analysis of domestic abuse discourse on Reddit. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, pages 2577-2583, Lisbon, Portugal.
23. Vasudev Bethamcherla\$, Will Paul\*, **Cecilia O. Alm**, Reynold Bailey, Joe Geigel, and Linwei Wang. 2015. Face-speech sensor fusion for non-invasive stress detection. In *Proceedings of the 1st Joint Conference of Facial Analysis, Animation, and Auditory-Visual Speech Processing*, pages 196-201, Vienna, Austria.
24. Will Paul\*, **Cecilia O. Alm**, Reynold Bailey, Joe Geigel, and Linwei Wang. 2015. Stressed out: What speech tells us about stress. In *Proceedings of Interspeech*, pages 3710-3714, Dresden, Germany.
25. Nicolas Schrading\$, **Cecilia O. Alm**, Ray Ptucha, and Christopher M. Homan. 2015. #WhyIStayed, #WhyILeft: Microblogging to make sense of domestic abuse. In *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics-Human Language Tec*, pages 1281-1286, Denver, Colorado.
26. Preethi Vaidyanathan#, Emily Prud'hommeaux, **Cecilia O. Alm**, Jeff B. Pelz, and Anne R. Haake. 2015. Alignment of eye movements and spoken language for semantic image

- understanding. In *Proceedings of the 11<sup>th</sup> International Conference on Computational Semantics*, pages 76-81, London, United Kingdom.
27. Joseph Bullard<sup>§</sup>, Rohan Murde<sup>§</sup>, Qi Yu, **Cecilia O. Alm**, and Rubén A. Proaño. 2015. Inference from structured and unstructured electronic medical data for dementia detection. In *Proceedings of Operation Research and Computing: Algorithms and Software for Analytics, 14<sup>th</sup> INFORMS Computing Society Conference*, pages 236–244, Richmond, Virginia.
  28. Joseph Bullard<sup>§(\*\*)</sup>, **Cecilia O. Alm**, Qi Yu, Pengcheng Shi, and Anne R. Haake. 2014. Towards multimodal modeling of physicians' diagnostic confidence and self-awareness using medical narratives. In *Proceedings of COLING, the 25<sup>th</sup> International Conference on Computational Linguistics: Technical Papers*, pages 1718–1727, Dublin, Ireland.
  29. Nathaniel Moseley<sup>§</sup>, **Cecilia O. Alm**, and Manjeet Rege. 2014. Toward inferring the age of Twitter users with their use of nonstandard abbreviations and lexicon. In *Proceedings of 16<sup>th</sup> IEEE International Conference on Information Reuse and Integration*, pages 219-226, San Francisco, California.
  30. Nathaniel Moseley<sup>§</sup>, **Cecilia O. Alm**, and Manjeet Rege. 2014. User-annotated microtext data for modeling and analyzing users' sociolinguistic characteristics and age grading. In *Proceedings of IEEE 8<sup>th</sup> International Conference on Research Challenges in Information Science*, pages 221-226, Marrakesh, Morocco.
  31. Xuan Guo<sup>‡</sup>, Rui Li, **Cecilia O. Alm**, Qi Yu, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2014. Infusing perceptual expertise and domain knowledge into a human-centered image retrieval system: A prototype application. In *Proceedings of ETRA*, pages 275-278, Safety Harbor, Florida.
  32. Preethi Vaidyanathan<sup>‡</sup>, Jeff B. Pelz, **Cecilia O. Alm**, Pengcheng Shi, and Anne R. Haake. 2014. Recurrence quantification analysis reveals eye-movement behavior differences between experts and novices. In *Proceedings of ETRA*, pages 303-306, Safety Harbor, Florida.
  33. Kathryn Womack<sup>\*</sup>, **Cecilia O. Alm**, Cara Calvelli, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2013. Markers of confidence and correctness in spoken medical narratives. In *Proceedings of Interspeech*, pages 2549-2553, Lyon, France.
  34. Kathryn Womack<sup>\*</sup>, **Cecilia O. Alm**, Cara Calvelli, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2013. Using linguistic analysis to characterize conceptual units of thought in spoken medical narratives. In *Proceedings of Interspeech*, pages 3722-3726, Lyon, France.
  35. Rui Li<sup>‡</sup>, Jeff B. Pelz, **Cecilia O. Alm**, Pengcheng Shi, and Anne R. Haake. 2012. Learning eye movement patterns for characterization of perceptual expertise. In *Proceedings of ETRA*, pages 393-396, Santa Barbara, California.
  36. **Cecilia O. Alm**. 2011. Subjective natural language problems: Motivations, applications, characterizations, and implications. In *Proceedings of the 49<sup>th</sup> Annual Meeting of the Association for Computational Linguistics*, pages 107-112, Portland, Oregon.
  37. **Cecilia O. Alm** and Xavier Llorà. 2006. Evolving emotional prosody. In *Proceedings of Interspeech*, pages 1826-1829, Pittsburgh, PA, USA.
  38. Nicholas Loeff, **Cecilia O. Alm**, and David Forsyth. 2006. Discriminating image senses by clustering with multimodal features. In *Proceedings of the 21<sup>st</sup> International Conference on Computational Linguistics and 44<sup>th</sup> Annual Meeting of the Association for Computational*

*Linguistics*, pages 547-554, Sydney, Australia.

39. **Cecilia O. Alm** and Richard Sproat. 2005. Emotional sequencing and development in fairy tales. In *Proceedings of the 1<sup>st</sup> International Conference on Affective Computing and Intelligent Interaction*, pages 668-674, Beijing, China.
40. **Cecilia O. Alm**, Dan Roth, and Richard Sproat. 2005. Emotions from text: Machine learning for text-based emotion prediction. In *Proceedings of the Human Language Technology Conference and Conference on Empirical Methods in Natural Language Processing*, pages 579-586, Vancouver, Canada.
41. **Cecilia O. Alm** and Richard Sproat. 2005. Perceptions of emotions in expressive storytelling. In *Proceedings of Interspeech - Eurospeech*, pages 533-536, Lisbon, Portugal.

### Conference tutorial

1. Saif Mohammad and **Cecilia O. Alm**. 2015. Computational analysis of affect and emotion in language. *Conference on Empirical Methods in Natural Language Processing*, Lisbon, Portugal. [Slides, references, and annotated bibliography.]

### Papers in refereed workshop proceedings

1. Rajesh Titung<sup>#</sup> and **Cecilia O. Alm**. 2022. Teaching interactively to learn emotions in natural language. In *Proceedings of the Second Workshop on Bridging Human--Computer Interaction and Natural Language Processing (at NAACL 2022)*, pages 40-46.
2. Camille Mince<sup>\*</sup>, Skye Rhomberg<sup>\*</sup>, **Cecilia O. Alm**, Reynold Bailey, and Alex Ororbia. 2022. Multimodal modeling of task-mediated confusion. In *Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies: Student Research Workshop (at NAACL 2022)*, 188-194.
3. Akther Al Amin<sup>#</sup>, Saad Hassan, **Cecilia O. Alm**, and Matt Huenerfauth. 2022. Using BERT embeddings to model word importance in conversational transcripts for Deaf and Hard of Hearing users. In *Proceedings of the Second Workshop on Language Technology for Equality, Diversity and Inclusion (at ACL 2022)*, pages 35-40.
4. Nikhil Kaushik<sup>§</sup>, Reynold Bailey, Alexander Ororbia and **Cecilia O. Alm**. 2021. Eliciting confusion in online conversational tasks. In *Proceedings of the 9th International Conference on Affective Computing and Intelligent Interaction Workshops and Demos (at ACII 2021)*, pages 1-5, Nara, Japan (online). doi: 10.1109/ACIIW52867.2021.9666351.
5. Cleo Forman<sup>\*</sup>, Pablo Thiel<sup>\*</sup>, Raymond Ptucha, Miguel Dominguez<sup>‡</sup>, and **Cecilia O. Alm**. 2020. Capturing laughter and smiles under genuine amusement vs. negative emotion. In *Proceedings of the Second Workshop on Human-Centered Computational Sensing (at PerCom 2020)*, pages 1-6, online.
6. Elizabeth Lucas<sup>§</sup>, **Cecilia O. Alm**, and Reynold Bailey. 2019. Understanding human and predictive moderation of online science discourse. In *Proceedings of the 2019 IEEE Western New York Image and Signal Processing Workshop*, doi: 10.1109/WNYIPW.2019.8923109, Rochester, New York.
7. Yashowardhan Soni<sup>§</sup>, **Cecilia O. Alm**, and Reynold Bailey. 2019. Affective video recommender system. In *Proceedings of the 2019 IEEE Western New York Image and Signal Processing Workshop*, doi: 10.1109/WNYIPW.2019.8923087, Rochester, New York.

8. Sushant Kafle<sup>#</sup>, **Cecilia O. Alm**, and Matt Huenerfauth. 2019. Modeling acoustic-prosodic cues for word importance prediction in spoken dialogues. In *Proceedings of the 8th Workshop on Speech and Language Processing for Assistive Technologies, SLPAT 2019 (at NAACL 2019)*, pages 9-16, Minneapolis, Minnesota.
9. Jordan E. Shea<sup>\*</sup>, **Cecilia O. Alm**, and Reynold Bailey. 2018. Contemporary multimodal data collection methodology for reliable inference of authentic surprise. In *Proceedings of the 2018 IEEE Western New York Image and Signal Processing Workshop*, Rochester, New York.
10. McKenna K. Tornblad<sup>\*</sup>, Luke Lapresi<sup>\*</sup>, Christopher M. Homan, Raymond W. Ptucha, and **Cecilia O. Alm**. 2018. Sensing and learning human annotators engaged in narrative sensemaking. In *Proceedings of the Student Research Workshop (at NAACL 2018)*, pages 136-143, New Orleans, Louisiana.
11. Yancarlos Diaz<sup>\*</sup>, **Cecilia O. Alm**, Ifeoma Nwogu, and Reynold Bailey. 2018. Towards an affective video recommendation system. In *Proceedings of the Workshop on Human-Centered Computational Sensing (at PerCom 2018)*, pages 137-142, Athens, Greece.
12. Rebecca Medina<sup>\*</sup>, Daniel Carpenter<sup>\*</sup>, Joe Geigel, Reynold Bailey, Linwei Wang, and **Cecilia O. Alm**. 2018. Sensing behaviors of students in online vs. face-to-face lecturing contexts. In *Proceedings of the Workshop on Human-Centered Computational Sensing (at PerCom 2018)*, pages 77-82, Athens, Greece.
13. Nikita Haduong<sup>\*</sup>, David Nester<sup>\*</sup>, Preethi Vaidyanathan<sup>#</sup>, Emily Prud'hommeaux, Reynold Bailey, and **Cecilia O. Alm**. 2018. Multimodal alignment for affective content. In *Proceedings of the Workshop of Affective Content Analysis (at AAAI 2018)*, pages 21-28, New Orleans, Louisiana.
14. Alexander Calderwood<sup>\*</sup>, Elizabeth A. Pruett<sup>\*</sup>, Raymond Ptucha, Christopher M. Homan, and **Cecilia O. Alm**. 2017. Understanding the semantics of narratives of interpersonal violence through reader annotations and physiological reactions. In *Proceedings of the Workshop on Computational Semantics beyond Events and Roles (at EACL Apr 2017)*, pages 1-9, Valencia, Spain.
15. Ashley Edwards<sup>\*</sup>, Anthony Massicci<sup>\*</sup>, Srinivas Sridharan, Joe Geigel, Linwei Wang, Reynold Bailey, and **Cecilia O. Alm**. 2017. Sensor-based methodological observations for studying online learning. In *Proceedings of the ACM Workshop on Intelligent Interfaces for Ubiquitous and Smart Learning (at IUII Mar 2017)*, pages 25-30, Limassol, Cyprus.
16. Aliya Gangji<sup>\*</sup>, Trevor Walden<sup>\*</sup>, Preethi Vaidyanathan<sup>#</sup>, Emily Prud'hommeaux, Reynold Bailey, and **Cecilia O. Alm**. 2017. Using co-captured face, gaze and verbal reactions to images of varying emotional content for analysis and semantic alignment. In *Proceedings of the Workshop on Human-Aware Artificial Intelligence (at AAAI 2017)*, pages 621-627.
17. Joseph Bullard<sup>\$</sup>, **Cecilia O. Alm**, Xumin Liu, Rubén A. Proaño, and Qi Yu. 2016. Towards early dementia detection: Fusing linguistic and non-linguistic clinical data. In *Proceedings of Computational Linguistics and Clinical Psychology: From Linguistic Signal to Clinical Reality (at NAACL 2016)*, pages 12-22, San Diego, California.
18. Mayuresh Oak<sup>\$</sup>, Anil K. Behera<sup>\$</sup>, Titus Thomas<sup>\$</sup>, **Cecilia O. Alm**, Emily Prud'hommeaux, Christopher M. Homan, and Ray Ptucha. 2016. Generating clinically relevant texts: A case study on life-changing events. In *Proceedings of Computational Linguistics and Clinical Psychology: From Linguistic Signal to Clinical Reality (at NAACL-HLT 2016)*, pages 85-94, San Diego, California.

19. Xuan Guo<sup>#</sup>, Qi Yu, Rui Li, **Cecilia O. Alm**, Anne R. Haake. 2014. Fusing multimodal human expert data to uncover hidden semantics. In *Proceedings of the Gaze-In Workshop (at ICMI)*, pages 21-26, Istanbul, Turkey.
20. Limor Hochberg<sup>§</sup>, **Cecilia O. Alm**, Esa M. Rantanen, Qi Yu, Caroline M. DeLong, and Anne R. Haake. 2014. Towards automatic annotation of clinical decision-making style. In *Proceedings of LAW VIII - The 8<sup>th</sup> Linguistic Annotation Workshop (at COLING 2014)*, pages 129-138, Dublin, Ireland.
21. Limor Hochberg<sup>§</sup>, **Cecilia O. Alm**, Esa M. Rantanen, Caroline M. DeLong, and Anne R. Haake. 2014. Decision style in a clinical reasoning corpus. In *Proceedings of the Workshop on Biomedical Natural Language Processing (at ACL 2014)*, pages 83-87, Baltimore, Maryland.
22. Christopher M. Homan, Ravdeep Johar<sup>§</sup>, Tong Liu<sup>‡</sup>, Megan Lytle, Vincent Silenzio, and **Cecilia O. Alm**. 2014. Toward macro-insights for suicide prevention: Analyzing fine-grained distress at scale. In *Proceedings of the Workshop on Computational Linguistics and Clinical Psychology: From Linguistic Signal to Clinical Reality (at ACL 2014)*, pages 107-117, Baltimore, Maryland.
23. Joseph Bullard<sup>§(\*)</sup> and **Cecilia O. Alm**. 2014. Computational analysis to explore authors' depiction of characters. In *Proceedings of the 3<sup>rd</sup> Workshop on Computational Linguistics for Literature (at EACL 2014)*, pages 11-16, Gothenburg, Sweden.
24. Kathryn Womack<sup>\*</sup>, Wilson McCoy<sup>\*</sup>, **Cecilia O. Alm**, Cara Calvelli, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2012. Disfluencies as extra-propositional indicators of cognitive processing. In *Proceedings of the Workshop on Extra-Propositional Aspects of Meaning in Computational Linguistics (at ACL 2012)*, pages 1-9, Jeju, Korea.
25. Wilson McCoy<sup>\*</sup>, **Cecilia O. Alm**, Cara Calvelli, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2012. Linking uncertainty in physicians' narratives to diagnostic correctness. In *Proceedings of the Workshop on Extra-Propositional Aspects of Meaning in Computational Linguistics (at ACL 2012)*, pages 19-27, Jeju, Korea.
26. Wilson McCoy<sup>\*</sup>, **Cecilia O. Alm**, Cara Calvelli, Rui Li, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2012. Annotation schemes to encode domain knowledge in medical narratives. In *Proceedings of LAW VI—The 6<sup>th</sup> Linguistic Annotation Workshop (at ACL 2012)*, pages 95-103, Jeju, Korea.
27. Michael T. Lehrman<sup>\*</sup>, **Cecilia O. Alm**, and Rubén A. Proaño. 2012. Detecting distressed and non-distressed affect states in short forum texts. In *Proceedings of the Workshop on Language in Social Media (at NAACL-HLT 2012)*, pages 9-18, Montréal, Canada.
28. **Cecilia O. Alm**. 2010. Characteristics of high agreement affect annotation in text. In *Proceedings of LAW IV – The 4<sup>th</sup> Linguistic Annotation Workshop (at ACL 2010)*, pages 118-122, Uppsala, Sweden.
29. Linda Ö. Heimisdóttir<sup>#</sup>, **Cecilia O. Alm**, Ian A. Coots<sup>\*</sup>, and Kateri Krantz-Odendahl<sup>\*</sup>. 2010. A resource for learning Swedish oral skills. In *Proceedings of Second Language Studies: Acquisition, Learning, Education and Technology, Tokyo, Japan (satellite workshop at Interspeech)*: <http://www.gavo.t.u-tokyo.ac.jp/L2WS2010/> (P1-1).
30. **Cecilia O. Alm**, Nicholas Loeff, and David Forsyth. 2006. Challenges for annotating images for sense disambiguation. In *Proceedings of the Workshop on Frontiers in Linguistically Annotated Corpora (at COLING-ACL 2006)*, pages 1-4, Sydney, Australia.

31. Dan Roth, Gio Kao Kao, Xin Li, X., Ramya Nagarajan, Vasin Punyakanok, Nick Rizzolo, Wen-tau Yih, **Cecilia O. Alm**, and Liam G. Moran. 2001. Learning components for a question-answering system. In *Proceedings of TREC*. NIST.

#### Proceedings and components of proceedings

1. Miguel Ballesteros, Yulia Tsvetkov, and **Cecilia O. Alm**. *Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies: Tutorial Abstracts*, Seattle, USA. Association for Computational Linguistics 2022, ISBN 978-1-955917-99-5.
2. **Cecilia O. Alm**, Reynold Bailey, and Ehsan Hoque. *Workshop on Human-centered Computational Sensing*, in 2018 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops), Athens, Greece, ISBN 978-1-5386-3227-7. *Welcome and committees*: [ieeexplore.ieee.org/document/8480179/](http://ieeexplore.ieee.org/document/8480179/) and *Program*: [ieeexplore.ieee.org/document/8480249/](http://ieeexplore.ieee.org/document/8480249/).
3. Allyson Ettinger<sup>#</sup>, Spandana Gella<sup>#</sup>, Matthieu Labeau<sup>#</sup>, **Cecilia O. Alm**, Marine Carpuat, and Mark Dredze. *Proceedings of ACL 2017 Student Research Workshop*. Vancouver, Canada, July 30 - August 4. Association for Computational Linguistics 2017, ISBN 978-1-945626-56-2.

#### Papers in other conference proceedings

1. Trent Rabe\*, Anisa Callis\*, Zhi Zheng, Jamison Heard, Reynold Bailey, and **Cecilia O. Alm**. 2022. Theory of mind assessment with human-human and human-robot interactions. n: Kurosu, M. (eds) *Human-Computer Interaction. Technological Innovation. HCII 2022*. Lecture Notes in Computer Science, vol 13303. Springer, Cham. [https://doi.org/10.1007/978-3-031-05409-9\\_41](https://doi.org/10.1007/978-3-031-05409-9_41).
2. Victoria Kraj\*, Thomas Maranzatto\*, Joe Geigel, Reynold Bailey, and **Cecilia O. Alm**. 2020. Evaluating audience engagement of an immersive performance on a virtual stage. In *Frameless*, Vol. 2(1), article 4. <https://scholarworks.rit.edu/frameless/vol2/iss1/4>.
3. Esa M. Rantanen, **Cecilia O. Alm**, Tracy Worrell, Nancy Valentage, and Nicholas Iuliucci\$. 2014. Linguistic analysis of clinical communications: A novel method for study of diagnostic errors. In *Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare*, 3(1), pages 207-213. SAGE Publications.
4. Jonathan Histon, Esa M. Rantanen, and **Cecilia O. Alm**. 2013. Communication sequences in controller pilot communications. In *Proceedings of the 17<sup>th</sup> International Symposium on Aviation Psychology*, pages 633-638, Dayton, Ohio.
5. Jonathan Histon, Esa M. Rantanen, and **Cecilia O. Alm** C. 2012. Air traffic control voice data analysis to validate NextGen procedures. In *Proceedings of Advances in Human Aspects of Aviation (Advances in Human Factors and Ergonomics Series)*, pages 129-138. Boca Raton, Florida: CRC Press.
6. **Cecilia O. Alm**. 2011. What can language technologies do for endangered languages, and vice-versa? In *Proceedings of Endangered Languages: Voices and Images, FEL XV*, pages 98-102. Bath: Foundation for Endangered Languages.

#### Book chapters or articles in edited collections

1. **Cecilia O. Alm**. [Expected: Fall, 2022]. Linguistic data resources for computational emotion sensing and modeling. *SK 46 in Handbooks of Linguistics and Communication Science*, 226-249. [Expected: <https://doi.org/10.1515/9783110347524-011>].
2. Nathaniel Moseley<sup>§</sup>, **Cecilia O. Alm**, and Manjeet Rege. 2015. On utilizing nonstandard abbreviations and lexicon to infer demographic attributes of Twitter users. In Thouraya Bouabana-Tebibel and Stuart H. Rubin, editors. *Advances in Intelligent Systems and Computing*, Vol. 346: *Formalism for Reuse and Systems Integration*, pages 257-278. Heidelberg, New York: Springer.
3. Anna W. Stenport and **Cecilia O. Alm**. 2012. Corporations, the welfare state, and covert misogyny in *The Girl With the Dragon Tattoo*. In Donna King and Carol Smith, editors. *Men Who Hate Women and the Women Who Kick Their Asses! Feminist Perspectives on Stieg Larsson's Millennium Trilogy*, pages 123-134. Nashville, Tennessee: Vanderbilt University Press.
4. David A. Forsyth, Tamara Berg, **Cecilia O. Alm**, Ali Farhadi, Julia Hockenmaier, Nicholas Loeff, and Gang Wang. 2009. Words and pictures: categories, modifiers, depiction, and iconography. In Sven J. Dickinson, Aleš Leonardis, Bernt Schiele, and Michael J. Tarr, editors. *Object Categorization: Computer and Human Vision Perspectives*, pages 167-181. Cambridge: Cambridge University Press.

### Book reviews

1. **Cecilia O. Alm**. 2013. Review of Filipi, Anna. *Toddler and Parent Interaction: The Organization of Gaze, Pointing and Vocalization*. Amsterdam, The Netherlands/Philadelphia, Pennsylvania: John Benjamins Publishing Co. 2009. xiii + 268 pp. + video clips. *Journal of Sociolinguistics*, 16(2): 241-243.
2. **Cecilia O. Alm**. 2004. Review of Johansson and Graedler. (2002). *Rocka, hipt og snacksy: om engelsk i norsk språk og samfunn*. ["Rocka," "hipt," and "snacksy": About English in Norwegian Language and Society.] Stig Johansson and Anne-Line Graedler, Kristiansand S.: Høyskoleforlaget/Norwegian Academic Press, 2002, 318 pp. *World Englishes*, 23(4): 614-616.
3. **Cecilia O. Alm**. 2001. Review of *English in Europe: The Acquisition of a Third Language*. Edited by Jasone Cenoz and Ulrike Jessner. Clevedon: Multilingual Matters Ltd, 2000, xii + 271 pp. *World Englishes*, 20(2): 241-243.

### Corpora or software

1. CLaSP Lab - PI: **Cecilia O. Alm**. Student developers: Adya Shrivastava<sup>§</sup>, Alexander Hedges<sup>§</sup>, Matthew Peeks<sup>\*</sup>, Benjamin Meyers<sup>\*</sup>, and software engineer. senior project teams. Linguine: An open-source application for natural language visualization and analysis. <https://nlp.rit.edu/linguine/> (for our students) and <http://github.com/ritlinguine/>.
2. Preethi Vaidyanathan, Emily T. Prud'hommeaux, Jeff B. Pelz, and **Cecilia O. Alm**. 2018. SNAG: Spoken narratives and gaze dataset, and regional labeler software. <https://mvrl-clasp.github.io/SNAG/>.
3. Benjamin S. Meyers<sup>\*</sup>, Nuthan Munaiah<sup>#</sup>, Emily Prud'hommeaux, Andrew Meneely, **Cecilia O. Alm**, Josephine Wolff, and Pradeep Murukannaiah. 2018. Chromium conversations. doi: 10.5281/zenodo.2590548.

4. **Cecilia O. Alm**. 2011. Scandinavian Media Collection: Images by four photographers [Images from Scandinavia (Sweden, Norway, Iceland) with short text annotations for 3 photographers, informal narrative annotation for 1.] <http://people.rc.rit.edu/~coagla/>.
5. **Cecilia O. Alm**. 2008. Affect Dataset. [Classic literary tales annotated for affective contents (more than 15,000 sentences), including direct access to subset of high inter-annotator agreement.]. GNU General Public License. <http://people.rc.rit.edu/~coagla/>.
6. Nicholas Loeff, **Cecilia O. Alm**, and David Forsyth. 2006. Image Sense Discrimination Dataset. [Annotations of images (more than 7,000) corresponding to words of lexical ambiguity, paired with images, thumbnails, and accompanying web texts.] <http://vision.cs.uiuc.edu/isd/dataset.zip>.

### Other

1. Angela Saquinaula\*, Adriel Juarez\*, Joe Geigel, Reynold Bailey, and **Cecilia O. Alm**. In press. Emotional empathy and facial mimicry of avatar faces. In *Proceedings of the IEEE Conference on Virtual Reality + 3D User Interfaces*. Extended poster abstract. Accepted.
2. **Cecilia O. Alm** and Reynold Bailey. 2021. REU mentoring engagement: Contrasting perceptions of administrators and faculty. *Proceedings of the 52nd ACM Technical Symposium on Computer Science Education*, page 1257, online. Poster.
3. Alberto Alvarez#, José Font, Thomas Pederson, Johan Salo#, **Cecilia O. Alm**, and Antonios Liapis. 2020. Invisible AI-driven HCI systems – when, why and how. *NordiCHI '20: Proceedings of the 11th Nordic Conference on Human-Computer Interaction: Shaping Experiences, Shaping Society*, pages 1-3, Tallin, Estonia (online).
4. Preethi Vaidyanathan#, Emily Prud'hommeaux, **Cecilia O. Alm**, and Jeff B. Pelz. 2015. Computational integration of human vision and natural language through bitext alignment. In *Proceedings of the Workshop on Vision and Language (at EMNLP 2015)*, pages 4-5, Lisbon, Portugal.
5. Preethi Vaidyanathan#, Jeff B. Pelz, **Cecilia O. Alm**, Cara Calvelli, Pengcheng Shi, and Anne R. Haake. 2013. Integration of eye movements and spoken description for medical image understanding. In Kenneth Holmqvist, Fiona Mulvey and Roger Johansson, editors. Book of Abstracts of the 17<sup>th</sup> European Conference on Eye Movements, in Lund, Sweden. *Journal of Eye Movement Research*, 6(3): 40.
6. **Cecilia O. Alm**. 2009. *Window to Swedish and Scandinavia* [title translated from Swedish] Modules 1-5; modules 6-7 collaboration with Ian A. Coots. Open textbook released via GNU General Public License at [people.rc.rit.edu/~coagla](http://people.rc.rit.edu/~coagla).
7. **Cecilia O. Alm**. 2009. Web articles for Swedish Institute web portal (for teachers): Web resources for vocabulary [title translated from Swedish]; Podcasting in Swedish [title translated from Swedish]; Web video in Swedish teaching [title translated from Swedish]. Swedish Institute web portal.
8. **Cecilia O. Alm**. 2009. Scandinavian culture in New York City. *Cornell Institute for European Studies Gazette*, 1.

### Editor of book chapter (based on unfinished manuscript by author, edited posthumously)

1. Christina Alm-Arvius. 2015. “Bachelor means nothing without husband and father”: What collocations reveal about a cognitive category. In Philip Shaw, Britt Erman, Gunnel



Melchers, and Patrick Sundkvist, editors. *From Clerks to Corpora: Essays on the English Language Yesterday and Today, Essays in honour of Nils-Lennart Johannesson*, pages 367-386. Stockholm: Stockholm University Press.

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## INVITED TALKS AND OTHER ORAL/POSTER PRESENTATIONS

RIT undergraduate student mentees/co-mentees have presented work at the annual August RIT Undergraduate Research Symposium as poster or presentation including: Benjamin Meyers (2015); Taylor Kilroy (2014); Brendan John (2014); Joseph Bullard (2013); Kathryn Womack (2013, 2012); Michael Smith (2012); James Male (2012); Wilson McCoy (2011); Michael T. Lehrman (2011); Matthew Rogers (2011). In August 2016 (total: 11), and in 2017-2019, 2021, 2022 students (total: 56) from the REU Sites in Computational Sensing and Computational Sensing for Human-centered AI presented work from team science experiences at the RIT Undergraduate Research Symposium. Nominated students (one per REU) have also presented accepted posters at the Council on Undergraduate Research REU Symposium.

1. **Cecilia O. Alm.** 2022, June. Human-centered AI: Up until May 2022. CHAI Mini-retreat, RIT, Rochester, NY.
2. **Cecilia O. Alm.** 2022, May. Invited panelist at UPSTAT 2022 for the panel: *On the Multifaceted Impact of Artificial Intelligence in Healthcare: Past, Present, and Emerging Trends*. Buffalo University, hybrid.
3. **Cecilia O. Alm.** 2022, April. Language + X for sensing humans, and training innovations for human-sensing AI. Computational Linguistics Colloquium, Indiana University, Bloomington, IN.
4. **Cecilia O. Alm** and Rajesh Titung. 2022, April. Engaging human interaction to learn emotions. Workshop on the Future of Emotion in Human-Computer Interaction (at CHI 2022), online.
5. **Cecilia O. Alm.** 2022, April. Sabbatical and research-focused cooperation with Scandinavian partners. Global Convergence – Models for Faculty Mobility. RIT, Rochester, NY.
6. **Cecilia O. Alm.** 2022, January. Presentation about *AWARE-AI NRT*. PhD'n'Chill, Doctoral Student Association, RIT, Rochester, NY.
7. **Cecilia O. Alm.** 2021, various. Presentations about *AWARE-AI NRT* to the RIT Ph.D. Directors, Ph.D. Program in Computing and Information Sciences, Dept of Computer Science, etc.
8. **Cecilia O. Alm.** 2020, May. Report on the PhD course *Human-centered AI*. Board of Supervisors, Malmö University, Sweden.
9. **Cecilia O. Alm.** 2019, November. Eliciting, analyzing, fusing, and visualizing dialogue and gaze. Multidisciplinary Approaches to Eye-tracking Research Workshop, Malmö University, Sweden.
10. **Cecilia O. Alm.** 2019, November. Modeling complex human-generated multilevel behaviors. IoTaP Seminar, Malmö University, Sweden.
11. **Cecilia O. Alm.** 2019, October. Sensing language (+ X) for human-centered AI. Natural

- Language Processing Research Group, IT University of Copenhagen, Denmark.
12. **Cecilia O. Alm.** 2019, March. Sensing language (+ X). Computer Science Colloquium, RIT, Rochester, New York.
  13. **Cecilia O. Alm.** 2018, December. Human-centered AI and sensing humans. Panelist talk. McKenzie Salon Series Roundtable: Liberal Arts and AI, RIT, Rochester, New York.
  14. Jordan E. Shea\*, **Cecilia O. Alm**, and Reynold Bailey. 2018, October. Contemporary multimodal data collection methodology for reliable inference of authentic surprise. AI@GCCIS: Golisano College Research & Innovation Showcase, RIT, Rochester, New York.
  15. **Cecilia O. Alm.** 2018, May. Sensing humans for human-centered AI, Malmö University, Computer Science Department, Sweden.
  16. Jordan E. Shea\*, **Cecilia O. Alm**, and Reynold Bailey. 2018, May. Characterizing surprise using spoken and multimodal sensory information, 2018 Mid-Atlantic Student Colloquium on Speech, Language and Learning. University of Maryland, Baltimore County, Maryland.
  17. **Cecilia O. Alm.** 2018, April. Sensing humans. AI Seminar Series, RIT, Rochester, New York.
  18. **Cecilia O. Alm.** 2018, April. Sensing humans with language and multiple modalities (plenary speaker). ILLS10, Urbana-Champaign, Illinois.
  19. **Cecilia O. Alm.** 2018, February. NSF-funded REU Site in Computational Sensing. Part 2: Case studies in Linguine. Language Science Research Mixer, RIT, Rochester, New York.
  20. **Cecilia O. Alm**, Reynold Bailey, Caroline DeLong, and Tina Sutton. 2017, December. Strategies for successful undergraduate research. Stan McKenzie Salon Series, RIT, Rochester, New York.
  21. **Cecilia O. Alm**, Emily Prud'hommeaux, and Benjamin Meyers. 2017, November. Enhancing data analysis in language science classrooms with Linguine. Provost's Learning Innovation Grants: 2017 Showcase, RIT, Rochester, New York.
  22. **Cecilia O. Alm.** 2017, April. Guest lecture. UR (Simon Business School), Rochester, New York.
  23. **Cecilia O. Alm.** 2017, March. The Computational Sensing REU Site – with language-inclusive sensing. Language Science Research Mixer, RIT, Rochester, New York.
  24. **Cecilia O. Alm**, co-presenter with Christopher M. Homan. 2017, March. Demo presentation, President's Roundtable, RIT, Rochester, New York.
  25. **Cecilia O. Alm.** 2015, December. Linguistic and multimodal sensing. UOttawa, Canada.
  26. **Cecilia O. Alm.** 2015, November. Presentation on research interests. Language Science Research Mixer, RIT, Rochester, New York.
  27. **Cecilia O. Alm.** 2015, November. Making sense with computational linguistics. Guest lecture: Introduction to Biomedical Informatics, URMC, Rochester, New York.
  28. **Cecilia O. Alm.** 2015, October. Making sense with linguistic sensing. Colloquium, Ph.D. Program in Computing & Information Sciences, RIT, Rochester, New York.

29. Megan Lytle, Vincent Silenzio, **Cecilia O. Alm**, and Christopher M. Homan. 2015, October. Using text messages to predict depression and suicidal behavior among LGBT individuals. IASR/AFSP International Summit Suicide Research, New York City, New York.
30. **Cecilia O. Alm**. 2015, June. Linguistic sensing for human-centered computing. Stockholm University, English Department, Sweden.
31. **Cecilia O. Alm**. 2015, June. Linguistic sensing for human-centered computing. Malmö University, Computer Science Department, Sweden.
32. **Cecilia O. Alm**. 2015, January. Language and multimodal meaning. Xerox PARC, Webster, New York.
33. **Cecilia O. Alm**. 2014, November. Language and multimodal meaning. College of Imaging Science Seminar Series, RIT, Rochester, New York.
34. Joseph Bullard<sup>§</sup>, Pawan Ogireddy<sup>§</sup>, Anubhav Mukherjee<sup>§</sup>, **Cecilia O. Alm**, Qi Yu, and Rubén A. Proaño. 2014, June. Mining heterogeneous, complex, and evolving electronic health records for early dementia detection. Effective Access Technology Conference, Rochester, New York.
35. Kathryn Womack\*, Victoria McGowen\*, **Cecilia O. Alm**, Jeff B. Pelz, Anne R. Haake, and Pengcheng Shi. 2014, June. Proof of concept study: Analyzing multimodal behaviors of students with autism spectrum disorders. Effective Access Technology Conference, Rochester, New York.
36. Kathryn Womack\*, Rubén A. Proaño, R., Anne R. Haake, and **Cecilia O. Alm**. 2014, June. Toward automatic extraction of semantic units of thought in physician reasoning processes. The 15<sup>th</sup> International Clinical Phonetics and Linguistics Association, Stockholm, Sweden.
37. **Cecilia O. Alm**. 2014, April. Making sense of natural language for human-centered computing. Center for Applied and Computational Mathematics Seminar Series, RIT, Rochester, New York.
38. Linwei Wang, Reynold Bailey, Joe Geigel, **Cecilia O. Alm**, Vasudev Bethamcherla<sup>§</sup>, Sairamesh Krithika<sup>§</sup>, Brendan John\*, and Taylor Kilroy\*. 2014, March. Sensor fusion for cognitive load and stress monitoring and detection. RIT-VA, Canandaigua, New York.
39. Kathryn Womack\*, **Cecilia O. Alm**, Cara Calvelli, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2014, March. Using linguistic analysis to characterize conceptual units of thought in spoken medical narratives. RIT-VA, Canandaigua, New York.
40. Xuan Guo<sup>#</sup>, Rui Li, **Cecilia O. Alm**, Qi Yu, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2014, March. Infusing perceptual expertise and domain knowledge into a human-centered image retrieval system: A prototype application. RIT-VA, Canandaigua, New York.
41. Rubén A. Proaño, **Cecilia O. Alm**, and Qi Yu. 2014, January. Identifying reliable multimodal early markers of dementia. GRECC, Rochester, New York.
42. **Cecilia O. Alm**. 2013, November. What is NLP? Guest lecture in IGME 582 Humanitarian Free and Open Source Software Development, RIT, Rochester, NY.
43. **Cecilia O. Alm**. 2013, August. Language as a rich, informative sensor in health IT. Health IT

Journal Club, RIT, Rochester, New York.

44. Rui Li<sup>#</sup>, Xuan Guo<sup>#</sup>, Preethi Vaidyanathan<sup>#</sup>, Dong Wang<sup>#</sup>, Jeff B. Pelz, Pengcheng Shi, Cara Calvelli, **Cecilia O. Alm**, and Anne R. Haake. 2013, April. Multimodal cognitive modeling to support decision-making. GCCIS RochTech, Rochester, New York.
45. Michael Smith\* and **Cecilia O. Alm**. 2012, November. Interactions between players in collaborative videogames. Board of Trustees invited poster session, RIT, Rochester, NY.
46. Preethi Vaidyanathan<sup>#</sup>, Jeff B. Pelz, Wilson McCoy\*, Cara Calvelli, **Cecilia O. Alm**, Pengcheng Shi, and Anne R. Haake. 2012, November. Visual-linguistic approach to medical image understanding. Conference of the American Medical Informatics Association, Chicago, Illinois.
47. Kathryn Womack\*, James Male\*, **Cecilia O. Alm**, Anne R. Haake, and Cara Calvelli. 2012, October. Towards understanding diagnostic cognitive reasoning of physicians. Mellon Foundation Symposium—The Multilingual Mind: Language Development and Methodology, Syracuse University, Syracuse, New York.
48. **Cecilia O. Alm**, Wilson McCoy\*, Kathryn Womack\*, Rui Li, Cara Calvelli, Jeff B. Pelz, Pengcheng Shi, and Anne R. Haake. 2012, April. Natural language processing in the cognitive modeling of dermatologists' decision-making processes. Natural Language Processing: State of the Art, Future Directions and Applications for Enhancing Clinical Decision-Making. NLM/NIBIB Workshop, NIH Campus, Bethesda, Maryland.
49. **Cecilia O. Alm**. 2012, April. Unconventional computational semantics. Colloquium, Ph.D. Program in Computing & Information Sciences, RIT, Rochester, New York.
50. **Cecilia O. Alm**. 2012, February. The expression of subjectivity in digital language on and beyond the Internet. Department of English, RIT, Rochester, New York.
51. **Cecilia O. Alm**. 2011, October. Making sense with computational linguistics. Colloquium, Department of Psychology, RIT, Rochester, New York.
52. **Cecilia O. Alm**. 2011, April. Returning to its roots: Rolf Blomberg's work. The 101<sup>st</sup> Meeting of the Society for the Advancement in Scandinavian Studies, Chicago, Illinois.
53. **Cecilia O. Alm**. 2011, January. The Northern North in Åsa Larsson's *Sun Storm*. Modern Language Association, Los Angeles, California.
54. **Cecilia O. Alm** and Linda Ö. Heimisdóttir. 2010, October. Empirical patterns in the process of learning oral skills. SLRF, University of Maryland, College Park, Maryland.
55. **Cecilia O. Alm**. 2010, October. Introduction: Virtual education. ASTRA Conference, Washington, D.C.
56. **Cecilia O. Alm**. 2010, April. Introducing an open source Swedish teaching package: Combining discovery-based and thematic learning to address needs and motivations of Swedish students. The 100<sup>th</sup> Meeting of the Society for the Advancement in Scandinavian Studies, Seattle, Washington.
57. **Cecilia O. Alm**. 2010, March. Gods as kids in *The Mythical Detective Loki Ragnarok*. Conference on New Directions in Medieval Scandinavian Studies, Fordham University, New York City, New York.
58. **Cecilia O. Alm**. 2009, November. Online instructional projects (with a discussion on

- creating funded student opportunities through project involvement). Language Resource Center Fall Workshop, Ithaca, New York.
59. **Cecilia O. Alm.** 2009, November. Exploring affect in fairytales for humanizing language technology. Guest lecture in German studies freshman writing seminar on fairy tales, Cornell University, Ithaca, New York.
  60. **Cecilia O. Alm.** 2009, October. Web tools and web resources for Swedish language teaching. [Title translated from Swedish.] Conference for North American University Teachers of Swedish, University of Washington, Seattle, Washington.
  61. Megan Eaton and **Cecilia O. Alm.** 2009, October. Culture course development (with a multimedia collection and free online access). [Title translated from Swedish.] Conference for North American University Teachers of Swedish, University of Washington, Seattle, Washington.
  62. **Cecilia O. Alm.** 2009, June. Is satisfaction important for second language learning? [Title translated from Swedish.] NORDAND: The 9<sup>th</sup> Conference on the Nordic Languages as Second Languages, Helsingør, Denmark.
  63. **Cecilia O. Alm.** 2009, May. Instructional motivations behind (new) usages of class website features. Language Resource Center Spring Workshop, Ithaca, New York.
  64. **Cecilia O. Alm.** 2009, May. The state and position of scholarship on second language learning in Scandinavian studies in North America. The 99<sup>th</sup> Meeting of the Society for the Advancement in Scandinavian Studies, Madison, Wisconsin.
  65. **Cecilia O. Alm.** 2009, March. Affect in text and speech. Colloquium, Department of Linguistics, Cornell University, Ithaca, New York.
  66. **Cecilia O. Alm.** 2009, March. Learning attitudinal meaning: Empirical lessons from the Swedish language classroom. American Association for Applied Linguistics Conference, Denver, Colorado.
  67. Anna W. Stenport and **Cecilia O. Alm.** 2008, December. Entrepreneurship and corporate identities in Scandinavian crime fiction—examples of a globalizing trend. Europe and Globalization: Narrating Challenges and Opportunities, Modern Language Association, San Francisco, California.
  68. **Cecilia O. Alm.** 2008, November. Portfolio assessment for addressing individual learning needs of language learners. ACTFL, Orlando, Florida.
  69. Maggie Ivanova and **Cecilia O. Alm.** 2008, August. Translating Mishima: Ingmar Bergman's *Markisinnan de Sade* (1989). International Study Conference of the Association for Scandinavian Studies, Polen.
  70. Helena Hall and **Cecilia O. Alm.** 2008, July. Exploring cultural diversity of gender and family through Scandinavian children's and youth literature in translation. Literacies for All Summer Institute, Critical Reflections: Honoring and Nurturing the Whole Child, the Whole Language Umbrella, Tucson, Arizona.
  71. **Cecilia O. Alm.** 2008, April. Relocalizing text: Challenges when translating to native audiences. 4<sup>th</sup> Biannual Conference of the American Translation and Interpreting Studies Association (ATISA), University of Texas, El Paso, Texas.

72. Maggie Ivanova and **Cecilia O. Alm**. 2008, March. Scandinavian mythology and worldscapes in Japanese shōjo culture. The 98<sup>th</sup> Annual Meeting of the Society for Advancement of Scandinavian Study, University of Alaska, Fairbanks, Alaska.
  73. **Cecilia O. Alm**. 2007, November. Diversifying the language class: Adding a field trip and posting recordings on the podcast server. The 2<sup>nd</sup> Annual Foreign Language Share Fair of the School of Literatures, Cultures, and Linguistics, University of Illinois at Urbana-Champaign, Urbana, Illinois.
  74. Helena Hall and **Cecilia O. Alm**. 2007, June. Sampling Scandinavian children's/ youth literature and film. Illinois Summer Institute for [K-12] Teachers, University of Illinois at Urbana-Champaign, Urbana, Illinois. [Invited workshop.]
  75. **Cecilia O. Alm**. 2007, April. Affect in language. Beckman Institute Graduate Student Seminar Series, University of Illinois at Urbana-Champaign, Urbana, Illinois.
  76. **Cecilia O. Alm**. 2006, October. Language variation and language teaching. Workshop for North American University Teachers of Swedish, University of Pennsylvania, Philadelphia, Pennsylvania.
  77. **Cecilia O. Alm**. 2006, October. Text and affective meaning. Department of Linguistics Seminar, University of Illinois at Urbana-Champaign, Urbana, Illinois.
  78. **Cecilia O. Alm**. 2005/2006. New problems in computational semantics. Guest lecture in LING 406 Introduction to Computational Linguistics in Spring 2005, and as modified version in LING 591 Computational Semantics for Natural Language in Fall 2006, University of Illinois at Urbana-Champaign, Urbana, Illinois.
  79. **Cecilia O. Alm**. 2004, October. Web materials for beginning Swedish. Workshop for North American University Teachers of Swedish, University of Wisconsin-Madison, Madison, Wisconsin.
  80. **Cecilia O. Alm**. 2002, October. English in the Ecuadorian commercial context. The 9<sup>th</sup> Annual Meeting of the International Association of World Englishes, University of Illinois at Urbana-Champaign, Urbana, Illinois.
  81. **Cecilia O. Alm**. 2001, Spring. The status of English in Europe: a/no contradiction? (Focus on Sweden). Midwestern Student Symposium, University of Illinois at Urbana-Champaign, Urbana, Illinois.
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## TEACHING

### Artificial Intelligence

**TS00012 Human-centered Artificial Intelligence**: Designed and taught new doctoral student course, MAU, Fall 2019-Spring 2020, credits (updated): 7.5hp.

**DA272A Artificial Intelligence** (co-teaching): *Problem Solving* [search, optimization] and *Decision Trees*, MAU, Fall 2019

**ME255A Digital Methods for Business and Social Innovation** (co-teaching): *Supervised Learning and Model Performance/Selection* at MAU Fall 2019

### **Independent Study at RIT - BS in Computer Science**

Fall 2211: *AI/ML to Study Confusion in Human Dialogue* (co-advised)

Spring 2185: *Voice Mimicry Using Machine Learning* (co-advised)

**Independent Study at RIT - MS in Computer Science**

Fall 2221: *Continual Learning with Neural Networks for Speech and Language*

Spring 2205: *Gaze and Voice for Guiding a Magnifier* (co-advised)

Fall 2201: *Text-to-Speech with Neural Networks* (co-advised)

Fall 2171: *Visualization Tools for Multimodal Data* (co-advised)

**Computational linguistics / Language technology**

**351 Language Technology**  
Fall 2181, Spring 2155, Spring 2135, Winter 20122 (ST), Winter 20112 (ST), Spring 20103 (ST)

**482 Speech Processing I**  
(previously: *Science and Analytics of Speech*)  
Fall 2201, Fall 2171

**581 Natural Language Processing I (Undergraduate; earlier 481)**  
(previously: *Introduction to Natural Language Processing*)  
Fall 2221, Fall 2211, Fall 2201, Spring 2185, Fall 2171, Spring 2165, Fall 2151, Fall 2141, Fall 2131, Spring 20113 (ST)

**582 Natural Language Processing II (Undergraduate; focus topic)**  
(previously: *Seminar in Computational Linguistics*)  
Spring 2205: *Human-centered Computational Linguistics*

**584 Speech Processing II**  
Spring 2225 (expected)

**599 Independent Studies**  
Fall 2171: *Computational Methods in Historical Sociolinguistics*  
Fall 2151: *Analyzing Comments for Gender Biases*  
Summer 20104: *Subjectivity Analysis of Textual News*

**681 Natural Language Processing I (Graduate; earlier 781)**  
(previously: *Introduction to Natural Language Processing*)  
Fall 2221, Fall 2211, Fall 2201, Spring 2185, Fall 2171, Spring 2165, Fall 2151, Fall 2141, Fall 2131, Spring 20113 (ST)

**682 Natural Language Processing II (Graduate; focus topic)**  
(previously: *Seminar in Computational Linguistics*)  
Spring 2205: *Human-centered Computational Linguistics*

**684 Speech Processing II**  
Spring 2225 (expected)

**Language science / Linguistics**

**310 Introduction to Language Science**  
Spring 2205, Fall 2171, Fall 2161, Fall 2151, Fall 2141, Fall 2131, Fall 20121, Fall 20111 (ST), Win 20102 (ST)

**370 Evolving English Language (previously 470)**  
Fall 2181, Fall 2161, Fall 20121, Fall 20111, Winter 20102

**371 Language, Dialects, and Identity**  
Fall 20101 [Archived]

**Other at RIT:** 0504-319 AE: *Swe./Scand. Award-Winning Film in Translation* (Spring 20113), 0504-319 AE: *Cyber-Linguistics* (Winter 20112), 0504-319 AE: *Vikings, Sex and IKEA – Scand. Society and*

Culture (Spring 20103), 0502-227WS: English around the World (Fall 20101)

**Courses taught before RIT:** *Language, Technology and Society* (UIUC, TA); *Language in the USA* (UIUC, Lead-TA); *Bilingualism and Bilingual Education* (USFQ); *Introduction to the Methodology of Teaching Foreign Languages* (USFQ); *Language and Translation* (USFQ); *Decision Models* (USFQ); *Independent Study: Migration and Language in Scandinavia* (CU); *Vikings, Sex and IKEA: Scandinavian Society and Culture* (CU); *Vikings History and Mythology* (USFQ); *Courses in Swedish language and culture* (CU; UIUC, TA); *German* (UIUC, TA); *English Public Speaking* (USFQ); *English Basic Composition*; *English Composition and Rhetoric* (USFQ); *ESL levels 2 and 3*; *ESL summer prog at El Comercio* (USFQ).

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## RIT CURRICULUM

### RIT curricular development

- **Planning committee/JPA co-drafter:** *Ph.D. Program in Cognitive Science (COGS)*
- **Co-chair for proposal committee:** *Ph.D. Program in Cognitive Science (COGS)*
- **Taskforce member:** *MS in Artificial Intelligence (IDAI)*
- **Lead drafter:** *Intent document for Cognitive Science PhD*
- **Committee member:** *Charge to develop concept papers for programs in Artificial Intelligence (subcommittee: BS concept paper)*
- **Lead drafter:** *Curriculum table for track focused on (computational) linguistics in the ENGL BS*
- **Lead co-drafter:** *Draft: Advanced certificate in natural language and speech processing*
- **Lead co-drafter:** *White paper/concept paper draft: Language science & comp ling BS*
- **Lead co-drafter:** *Concentration track in natural language processing for the HCC BS*
- **Drafter:** *Software engineering application domain in computational linguistics*
- **Drafter:** *Human language technology & computational linguistics immersion*
- **Co-drafter:** *Digital literatures and comparative media minor (and provided input on Text and code immersion and course)*
- **Co-drafter:** *Initial version of concept paper: Digital humanities BS*
- **Lead co-drafter:** *Language science minor and immersion*
- **Course form drafter - graduate:** *COGS 800, COGS 820, IDAI 720, ENGL 681/781, 682/782*
- **Course form drafter - undergraduate:** *ENGL 4/582, 4/581, 3/470, 371, 356, 351, 310, 250, 214, triple-C 371*

### RIT curricular advising

- **Advisor:** *Human language technology & computational linguistics immersion (until Spring 2019)*
  - **Advisor:** *Language science minor and immersion (until Spring 2019)*
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## SERVICE

### External PhD defenses

2021      **Emily S. Öhman, PhD Dissertation, University of Helsinki, Finland**  
*The Language of Emotions: Building and Applying Resources for Computational Approaches to Emotion Detection for English and Beyond*



- Opponent (previously external preliminary examiner). Defended: 03/2021.
- 2015 **Diman Ghazi, PhD Dissertation, Ottawa-Carleton Institute of Computer Science, UOttawa, Canada**  
*Identifying Expressions of Emotions and their Stimuli in Text.*  
Defended: 12/2015. External examiner
- 2015 **Masoud Rouhizadeh, PhD Dissertation, Oregon Health & Science University, Computer Science & Engineering**  
*Computational Analysis of Language Use in Autism.*  
Defended: 10/2015. External committee member

RIT PhD student committees

- 2022 – **Michael Peechatt, Ph.D. Dissertation in Computing & Information Sciences**  
*Theme: Flexible heavily multimodal machine learning.* Advisor, with R. Bailey
- 2022 **Celal Savur, PhD Dissertation in Electrical and Computer Engineering**  
*A Physiological Computing System to Improve Human-Robot Collaboration by Using Human Comfort Index*  
Defended: 07/2022. External chair
- 2021 – **Rajesh Titung, Ph.D. Dissertation in Computing & Information Sciences**  
*Interactive Machine Learning for Affective Computing.* Advisor
- 2021 – 2022 **Behrooz Mansouri, PhD Dissertation in Computing & Information Sciences**  
*Leveraging Formulae and Text for Improved Math Retrieval*  
Defended: 07/2021. Committee member
- 2020 – **Anna Starynska, PhD Dissertation in Imaging Science**  
*Palimpsest Text Reconstruction in Historical Manuscript*  
Proposal defended: 10/2020. External chair
- 2020 – 2022 **Farhad Akhbardeh, PhD Dissertation in Computing & Information Sciences**  
*NLP and ML Methods for Pre-processing, Clustering and Classification of Technical Logbook Datasets*  
Proposal defended: 09/2021. Proposal committee member
- 2020 **Gina Girgis, Ph.D. student in Computing & Information Sciences**  
Advisor
- 2020 – 2021 **Sedeeq Al-Khazraji, PhD Dissertation in Computing & Information Sciences**  
*Modeling the Speed and Timing of American Sign Language to Generate Realistic Animations*  
Defended: 12/2021. Committee member
- 2016 – 2020 **Tong Liu, PhD Dissertation in Computing & Information Sciences**  
*Active Learning in Subjective Domains*  
Defended: 04/2020. Committee member
- 2018 – 2019 **Sushant Kafle, PhD Dissertation in Computing & Information Sciences**  
*Captioning Based on Automatic Speech Recognition for Deaf and Hard of Hearing Users*  
Defended: 11/2019. Committee member
- 2013 – 2017 **Preethi Vaidyanathan, PhD Dissertation in Imaging Science**  
*Visual-Linguistic Semantic Alignment: Fusing Human Gaze and Spoken Narratives for Image Region Annotation*  
Defended: 09/2017. Advisor, with J. Pelz and E. Prud'hommeaux

- 2016 – 2017 **Kenny Davila Castellanos, PhD Dissertation in Computing & Information Sciences**  
*Appearance-Based Retrieval of Mathematical Notation in Documents and Lecture Videos*  
Defended: 07/2017. Committee member
- 2012 – 2017 **Xuan Guo, PhD Dissertation in Computing & Information Sciences** *Multimodal and Multilevel Representation Learning Constrained by Domain Knowledge Resources and User Interactions*  
Defended: 04/2017. Committee member

RIT PhD student pre-assessment committees

- 2021 **Emily Kuang, Pre-Assessment Committee for the Research Potential Assessment.** Completed: 05/2021. Committee member
- 2019 **Oliver Alonzo, Pre-Assessment Committee for the Research Potential Assessment.** Completed: 05/2019. Committee member
- 2019 **Behrooz Mansouri, Pre-Assessment Committee for the Research Potential Assessment.** Completed: 05/2019. Committee member
- 2019 **Cyril Weerasooriya, Pre-Assessment Committee for the Research Potential Assessment.** Completed: 05/2019. Committee member
- 2017 **Sedeeq Al-Khazraji, Pre-Assessment Committee for the Research Potential Assessment.** Completed: 05/2017. Committee member
- 2016 **Sushant Kafle, Pre-Assessment Committee for the Research Potential Assessment.** Completed: 05/2016. Committee member

RIT MS student capstones and theses

- 2022 **Shweta Vijay Vahane, MS Capstone Project in Computer Science**  
*Multimodal Confusion Detector*  
Completed: 08/2022. Co-advisor
- 2022 **Namrata Nagar, MS Thesis in Communication**  
*Framing TRUST in Artificial Intelligence (AI) Ethics Communication: Analysis of AI Ethics Guiding Principles through the Lens of Framing Theory*  
Completed: 06/2022. Committee member
- 2022 **Adhiraj Sood, MS Capstone Project in Computer Science**  
*Constructing an Interface for Interactive, Continuous Learning for Named Entity Recognition*  
Completed: 05/2022. Advisor
- 2021 – **Rigved Rakshit, MS Capstone Project in Data Science**  
*What Triggered that Emotion? Emotion Cause Extraction in Conversational Discourse*  
Expected: 12/2022. Advisor
- 2021 **Ekta Akadkar, MS Capstone Project in Computer Science**  
*Automatically Identifying Similar Affect States within an Emotion Family in Speech*  
Completed: 12/2021. Advisor
- 2021 **Asmita Hari, MS Capstone Project in Computer Science**  
*Predicting Eye Gaze*  
Completed: 12/2021. Co-advisor
- 2021 **Anushree Das, MS Capstone Project in Computer Science**

- Multimodal Deep Learning for Recognizing Human Confusion*  
Completed: 12/2021. Co-advisor
- 2021 **Adya Shrivastava, MS Capstone Project in Computer Science**  
*COVID-19 Entity Recognition with Transformers: Impact of Pre-training with Clinical Texts for Performance and Attention.*  
Completed: 08/2021. Advisor
- 2021 **Aditi Munjekar, MS Capstone Project in Computer Science**  
*Multimodal Emotion Detection in Dialogues*  
Completed: 05/2021. Advisor
- 2021 **Nikhil Kaushik, MS Capstone Project in Computer Science**  
*Multimodal Sensing and Learning of Confusion in Conversation*  
Completed: 05/2021. Co-advisor
- 2021 **Aditya Avinash Landge, MS Capstone Project in Computer Science**  
*Comparative Exploration of Coreference Resolution with Transformer Models*  
Completed: 05/2021. Advisor
- 2020 **Kunjan Mahske, MS Capstone Project in Computer Science**  
*Dialogue Act and Sentiment Classification Using the Switchboard Corpora*  
Completed: 12/2020. Advisor
- 2020 **Mitali Unde, MS Capstone Project in Computer Science**  
*Using Machine-reading Techniques for Automated Essay Scoring and Reading Comprehension Tasks*  
Completed: 12/2020. Advisor
- 2020 **Rishab Lalwani, MS Capstone Project in Computer Science**  
*Dialogue-based Automated Recognition of Similar Emotions*  
Completed: 12/2020. Advisor
- 2019 **Alexander Hedges, MS Capstone Project in Computer Science**  
*Sequential Prediction of Turn Endings and Interruptions in Dialogues*  
Completed: 05/2019. Co-advisor
- 2019 **Yashowardan Soni, MS Capstone Project in Computer Science**  
*Affective Video Recommender System*  
Completed: 05/2019. Co-advisor
- 2018 – 2019 **Elizabeth Lucas, MS Thesis in Computer Science**  
*Understanding Prediction of Low-quality Comments in Science Discourse*  
Defended: 04/2019. Co-advisor
- 2018 – 2019 **Kruthika Prasanna Sima, MS Thesis in Computer Engineering**  
*Improving Automatic Speech Recognition of an Endangered Language*  
Defended: 11/2019. Co-advisor
- 2018 **Sanket Sheth, MS Capstone Project in Computer Science**  
*Characterizing Surprise Using Multimodal Sensory Data with Deep Learning*  
Completed: 12/2018. Co-advisor
- 2017 **K. Tyler Wilcox, MS Thesis in Applied Statistics**  
*Bayesian Hidden Topic Markov Models*  
Defended: 05/2017. Committee member
- 2016 **Anil K. Behera, MS Capstone Project in Computer Science**  
*Text Generation with Language Models*  
Completed: 05/2016. Co-advisor
- 2016 **Andamlak Terkik, MS Capstone Project in Computer Science**

- Analyzing Gender Bias in Student Evaluations*  
Completed: 05/2016. Co-advisor
- 2016 **Victor Trejo, MS Capstone Project in Computer Science**  
*MULTI<sup>2</sup>RECSYS: A Multimodal Recommendation System for Recipes*  
Completed: 05/2016. Co-advisor
- 2016 **Juan Ortiz, MS Capstone Project in Inform Sciences & Technologies** *Predicting Actor Award Nominations with Features Extracted from Online Movie Reviews*  
Completed: 05/2016. Committee member
- 2012 – 2016 **Nicholas Iuliucci, MS Thesis in Applied Experimental & Engineering Psychology.**  
*Patient History Elicitation and Diagnostic Decision Making*  
Defended: 05/2016. Committee member
- 2014 – 2015 **Nicolas Schrading, BS/MS Thesis in Computer Engineering**  
*Analyzing Domestic Abuse using Natural Language Processing on Social Media Data*  
Defended: 08/2015. Co-advisor
- 2014 – 2015 **Joseph Bullard, MS Thesis in Computer Science**  
*Mining and Integration of Structured and Unstructured Electronic Clinical Data for Dementia Detection*  
Defended: 03/2015. Co-advisor/Chair
- 2014 **Ravdeep Johar, MS Capstone Project in Computer Science**  
*Modeling Suicide Risk Factors using Social Media Best poster award (Dec 5, 2014)*  
Completed: 12/2014. Co-advisor
- 2012 – 2014 **Limor Hochberg, MS Thesis in Applied Experimental & Engineering Psychology**  
*Metacognition and Decision-Making Style in Clinical Narratives*  
Defended: 8/2014. Co-advisor
- 2012 – 2013 **Nathaniel Moseley, MS Thesis in Computer Science**  
*Using Word and Phrase Abbreviation Patterns to Extract Age from Twitter Microtexts*  
Defended: 05/2013. Reader
- 2011 – 2012 **Katie Greiner, MS Thesis in Human-Computer Interaction**  
*A Comparison of Two Concurrent Think-Aloud Protocols: Categories and Relevancy of Utterances*  
Defended: 11/2012. Committee member

Designated mentor

- 2019 – 2022 **Marcos Zampieri, Assistant Professor**  
*Computational Linguistics and Language Science, RIT*

RIT undergraduate student committees

- 2022 **Margaret Gray, Senior Capstone in Interdisciplinary Studies**  
Theme: Developing educational material aimed to teach AI in K-12. Advisor  
Completed: 05/2022.
- 2018 – 2019 **Katharine MacLaren, Senior Thesis in Museum Studies**  
Outstanding Undergraduate Scholar  
*When Linguistics and Heritage Intersect: Language Preservation and Revitalization in Cultural Institutions*

Completed: 05/2019. Secondary advisor

**2016 – 2017 Adam Casson, Senior Project in Imaging Science**  
*VUE-QA: Video Question Answering Using Deep Neural Networks*  
Completed: 05/2017. Committee member

*Other RIT and REU student mentoring*

**2016 – 2019 Mentor of REU students**  
Research faculty mentor and program coordinator  
Kwame Andre (Clemson University)  
Juno Bartsch (Haverford College)  
Grant Bosworth (University of California Santa Cruz)  
Alexander Calderwood (Montana State University)  
Anisa Callis (Pennsylvania State University)  
Dan Carpenter (Siena College)  
Tristan Chavez (Regis University)  
Jessica DeWitt (Georgia State University)  
A'di Dust (Macalester College)  
Ashley Edwards (SUNY Geneseo)  
Jarry Fall (Drew University)  
Cleo Forman (Pomona College)  
Aliya Gangji (Muhlenberg College)  
Leah Goldberg (Dickinson College)  
Carola Gonzales Lebron (University of Dayton)  
Olivia Greathouse (Winthrop University)  
Nikita Haduong (Indiana University, Bloomington)  
Anthony Illescas (Lehman College)  
Adriel Juarez (Monmouth University)  
Victoria Kraj (Georgia Institute of Technology)  
Sarah Kitten (University of Oregon)  
Luke Lapresi (Rochester Institute of Technology)  
Jessica Li (Vassar College)  
Matthew Luettgen (Indiana University)  
Thomas Maranzatto (New College Florida)  
Anthony Massicci (Onondaga Community College)  
Natalie Maus (Colby College)  
Rebecca Medina (Rose-Hulman Institute of Technology)  
Rachel Miller (Rochester Institute of Technology)  
Camille Mince (Pomona College)  
David Nester (Eastern Mennonite University)  
Bradley Olson (University of Puget Sound)  
Andrea Orama (University of Puerto Rico – Mayaguez)  
Matthew Peeks (Rochester Institute of Technology)  
Elizabeth Pruett (University of South Carolina)  
Trent Rabe (University of Colorado, Boulder)  
Skye Rhomberg (Colby College)  
Tyrell Roberts (Colgate University)  
Dalton Rutledge (Westminster College of Salt Lake City)  
Monali Saraf (University of Maryland, Baltimore County)  
Angela Saquinaula (Western Connecticut State University)  
Alexandra Slabakis (Carnegie Mellon University)  
Sarah Smith (University of Rochester)

Shubhra Tewari (Whitman College)  
 Pablo Thiel (Harverford College)  
 McKenna Tornblad (George Fox University)  
 Trevor Walden (Rochester Institute of Technology)  
 Regina Wang (Mills College)  
 Renos Zabounidis (University of Massachusetts Amherst)

Program coordinator

Gabriella Alexis (Hunter College)  
 Ryan Higgins (Swarthmore College)  
 Malakhi Hopkins (University of Maryland, Baltimore County)  
 Olivia Irby (Skidmore College)  
 Emma Jordan (Smith College)  
 Conor Lake (Rochester Institute of Technology)  
 Nse Obot (University of Buffalo)  
 Laura O'Malley (Washington & Lee College)  
 Rebecca Plourde (Rhode Island College)  
 Sunand Raghupathi (Fordham University)  
 Kelsey Rook (Andrews University)  
 Brendan Witt (University of Maryland, Baltimore County)

- 2018, 2019**    **Mentoring of Malmö University summer program participant**  
 Gustaf Bohlin  
 Philip Ekholm  
 Jonathan Kvist  
 Kristoffer Linderman
- 2019, 21, 22**    **Supervision of PhD Graduate Research Assistant - REU**  
 Rajesh Titung  
 Hannah Miller  
 Miguel Dominguez
- 2016, 2017**    **Mentoring of LSAMP summer program participant**  
 Yancarlos Diaz (Rochester Institute of Technology)  
 Albert Burt (Onondaga Community College)
- 2012 –**    **Mentoring of undergraduate or BS/MS or MS research hourly/co-op positions, including in collaborative/interdisciplinary projects**  
 Karen Chen / Computer Engineering (2021-2022) McNair participant  
 Adya Shrivastava / Computer Science (2021)  
 Matthew Peeks / Computational Math (2020)  
 Alexander Hedges / Computer Science (2018-2019)  
 Jordan Shea / Computer Science (2018) Col. delegate/ com. speaker  
 Benjamin Meyers / Software Engineering (2015-2018)  
 Will Paul / New Media Interact Dev (2014-2016) Outstanding UG Scholar  
 Dan Lavoie / Software Engineering (2014-2015)  
 Taylor Kilroy / Computer Science (2014)  
 Joseph Bullard / Bioinformatics (2013)  
 Kathryn Womack / ASL-English Interpret. (2012-2014) Outstanding UG Scholar  
 James Male / Computer Science (2012)  
 Wilson McCoy / Game Design and Development (2011-2012) Two-Week Summer School in Hum Lang Tech, JHU (fee waiver recipient)  
 Michael T. Lehrman / Multidisciplinary Studies (2011)
- 2013 – 2016**    **Sponsor of software engineering senior project *Linguine***  
 2015-2016: Team Pastafarians (nlp.rit.edu/linguine) Best poster at Software

**Engineering Project Day** (April 29, 2016)

2014-2015: Team Rigatoni

2013-2014: Team Pro-Nouns

- 2014 – **Supervision of language science/technology course assistants/graders**  
 Alphaeus Dmonte, Emmanuel Okafor: ENGL 581/681 (2211)  
 Matthew Peeks: ENGL 310 (2205)  
 Abhay R. Dixit: ENGL 582/682 (2205)  
 Rishab Lalwani: ENGL 581/681 (2201)  
 Sanket Sheth: ENGL 351 (2181)  
 William Thompson: ENGL 310 (2171)  
 Alexander Hedges: ENGL 482 (2171)  
 Tong Liu: ENGL 481/581, 781/681 (2165, 2171)  
 Benjamin Meyers: ENGL 351 (2155), ENGL 310 (2151)  
 Preethi Vaidyanathan: ENGL 481/781 (2151), ENGL 310 (2141)  
 Joseph Bullard: ENGL 481/781 (2141)
- 2014, 16, 18 **Supervision of student web design and development**  
 Will Paul: CLaSP ([www.rit.edu/clasp](http://www.rit.edu/clasp)), REU ([www.cs.rit.edu/~reu](http://www.cs.rit.edu/~reu))  
 Benjamin Meyers: Language Science ([languagescience.rit.edu](http://languagescience.rit.edu))
- 2012 **Mentor for RIT summer undergraduate research fellowship awardee**  
 Michael Smith/Computer Science (2012)

**External service to the profession**

- 2022 – Scientific Reports - Nature *Editorial Board Member*
- 2021 – ACL Rolling Review *Action Editor*
- 2021 – 2022 Tutorial co-chair *NAACL 2022*
- 2021 Workshop co-chair *Third Workshop on Human-Centered Computational Sensing (HCCS'22)*
- 2021 Area chair, *Multidisciplinary etc. at EMNLP 2021*
- 2021 Area chair, *Psycholinguistics and semantic processing track at \*SEM 2021 (at ACL-IJCNLP 2021)*
- 2020 Co-organizer *The UX of Interactive Machine Learning, Workshop at NordiCHI 2020/pre-merge title: Invisible AI-driven HCI Systems – When, Why and How*
- 2020 Diversity and inclusion co-chair *ACL 2020 (online)*  
 Wiki post describing the committee's activities:  
[https://www.aclweb.org/adminwiki/index.php?title=2020Q3\\_Reports:\\_Diversity\\_%26\\_Inclusion\\_\(D%26I\)\\_Chairs](https://www.aclweb.org/adminwiki/index.php?title=2020Q3_Reports:_Diversity_%26_Inclusion_(D%26I)_Chairs)  
 For the ACL 2020 D&I Team's blogs, see:  
<https://acl2020.org/blog/increasing-financial-accessibility/>  
<https://acl2020.org/blog/Accessible-Presentations-at-ACL-2020/>  
<https://acl2020.org/blog/accessibility-for-camera-ready/>  
<https://acl2020.org/blog/diversity-and-inclusion/>
- 2020 Co-organizer *Career Planning Day for Doctoral Students, TS Malmö University (online)*
- 2020 Area chair *Cognitive modeling and psycholinguistics track at ACL 2020*
- 2020 Publicity co-chair *Second Workshop on Human-Centered Computational Sensing*

- (HCCS'20) (online)
- 2019 Team member, *Childcare and Parental Inclusion/Diversity and Inclusion Committee, NAACL 2019*
- 2018 Contributor *Working group for EquiCL proposal and constitution (ACL)*
- 2018 Co-chair *Workshop on Human-Centered Computational Sensing (HCCS'18)*
- 2017 Session chair *Frontiers in Education 2017*
- 2017 Faculty advisor *Student Research Workshop at ACL 2017*
- 2013 Co-organizer *Digital humanities stream, SASS 2013*

External academic and funding agency refereeing

- 2022 **Program Committee** *IEEE Symposium on Computers and Communications*
- 2022 **Program Committee** *LREC 2022 – Evaluation and Validation Methodologies Track*
- 2022 **Program Committee** *NAACL 2022 – Special Theme Track on Human-centered NLP*
- 2021 **Reviewer** *National Science Foundation*
- 2021 **Reviewer** *Israel Science Foundation*
- 2021 **Program Committee** *NAACL 2021*
- 2020 **Reviewer** *National Science Foundation*
- 2020 **Program Committee** *EAAI 2021*
- 2020 **Reviewer** *National Science Foundation*
- 2020 **Reviewer** *Journal for STEM Education Research*
- 2020 **Reviewer** *Demo Papers ACL 2020*
- 2019 **Reviewer** *Computer Science Education*
- 2019 **Program Committee** *Machines with Emotions at IROS 2019*
- 2019 **Reviewer** *Affective Computing and Intelligent Interaction*
- 2019 **Reviewer** *National Science Foundation*
- 2019 **Program Committee** *NAACL-HLT 2019*
- 2019 **Reviewer** *Cambridge University Press*
- 2018 **Program Committee** *SIGSCE 2019*
- 2018 **Program Committee, Pre-mentoring** *ACL Student Research Workshop*
- 2018 **Reviewer** *National Science Foundation*
- 2018 **Program Committee** *5<sup>th</sup> Comp Linguistics and Clinical Psychology Workshop*
- 2018 **Program Committee** *LaTeCH-CLfL 2018 Workshop (Language Technology for Cultural Heritage, Social Sciences, & Hum – Computational Linguistics for Lit)*
- 2018 **Program Committee** *NAACL-HLT 2018*
- 2017, 2018 **Reviewer** *Communications of the ACM*
- 2017 **Program Committee** *Affective Computing and Intelligent Interaction*
- 2017 **Program Committee** *LaTeCH-CLfL 2017 Workshop (Language Technology for Cultural Heritage, Social Sciences, & Hum – Computational Linguistics for Lit)*
- 2017 **Program Committee** *4<sup>th</sup> Comp Linguistics and Clinical Psychology Workshop*



- 2017 **Program Committee** *ACL 2017 in Social Media*
- 2017 **Reviewer** *CogSci 2017*
- 2016 – 2017 **Standing Reviewer Team** *Transactions of the ACL (TACL)*
- 2016 **Reviewer** *National Science Foundation*
- 2016 **Program Committee** *3<sup>rd</sup> Comp Linguistics and Clinical Psychology Workshop*
- 2016 **Program Committee** *5<sup>th</sup> Workshop on Computational Linguistics for Literature*
- 2016 **Program Committee** *NAACL-HLT 2016 in areas 4 and 5*
- 2015 **Reviewer** *Linguistic Issues in Language Technology (special issue)*
- 2015 **Reviewer** *Literary and Linguistic Comp (Digital Scholarship in the Humanities)*
- 2015 **Program Committee** *2<sup>nd</sup> Comp Linguistics and Clinical Psychology Workshop*
- 2015 **Program Committee** *4<sup>th</sup> Workshop on Computational Linguistics for Literature*
- 2015, 2014 **Reviewer** *Speech Communication*
- 2014 **Program Committee** *ACL 2014 in Information Extraction and Text Mining*
- 2014 **Program Committee** *3<sup>rd</sup> Workshop on Computational Linguistics for Literature*
- 2013 **Program Committee** *ACL 2013 in Evaluation Methods*
- 2013 **Program Committee** *2<sup>nd</sup> Workshop on Computational Linguistics for Literature*
- 2012, 2010 **Reviewer** *IEEE Transactions on Affective Computing*
- 2012 **Program Committee** *1<sup>st</sup> Workshop on Computational Linguistics for Literature*
- 2012 **Program Committee** *NAACL-HLT 2012 in Social Media*
- 2012 **Program Committee** *ACL 2012 in Social Media and Sentiment Analysis*
- 2011 **Program Committee** *EMNLP 2011 in Sentiment Analysis & Opinion Min*
- 2011 **Invited Expert** *European Commission-level, Brussels, Belgium*
- 2011 **Reviewer** *Computational Intelligence*
- 2010 **Reviewer** *Advances in Human-Computer Interaction*
- 2010 **Reviewer** *Transactions on Audio, Speech, and Language Processing*
- 2010 **Program Committee** *COLING-2010 in Sent Analysis & Text Classification*
- 2010 **Reviewer** *IEEE Transactions on Multimedia*
- 2009-2010 **Program Committee** *Workshop on Comp Ap to Ana & Gen of Emotion in Text*
- 2009 **Panel Member** *Linguist List Wiley-Blackwell*

**RIT event organization**

- 2022 Member of organizing committee *AI @ RIT Workshop*, RIT
- 2022 Co-organizer *Boosting HCI PhD students'/PI visit*, RIT-Malmö Univ.-Univ. West
- Jul 2021 Co-led *REU Site at RIT's Virtual 5th Year Alumni Celebration*, RIT
- Jul 2021 Co-led *Fifth REU Graduate Study and Research Symposium*, RIT
- Jun 2019 Co-led *Fourth REU Graduate Study and Research Symposium*, RIT
- May 2019 Imagine RIT exhibit *Research Experiences for Undergrads (REU): Computational Sensing for Human-centered AI*

May 2019	Imagine RIT exhibit <i>Computational Linguistics and Speech Processing Lab</i>
Apr 2019	Organizer <i>Distinguished computational ling lecture – Carolyn Penstein Rosé</i>
Jun 2018	Co-organizer <i>Third REU Graduate Study and Research Symposium, RIT</i>
May 2018	Imagine RIT exhibit <i>Undergraduate research in computational sensing</i>
May 2018	Imagine RIT exhibit <i>Computational Linguistics and Speech Processing Lab</i>
Spring 2018	Co-organizing team member <i>Move78 AI Seminar Series</i>
Mar 2018	Organizer <i>Distinguished computational ling lecture – Saif Mohammad</i>
Jul 2017	Co-organizer <i>Cool tech gadgets - RIT tech expo, Greece Public Library</i>
Jun 2017	Co-led <i>Second REU Graduate Study and Research Symposium, RIT</i>
May 2017	Imagine RIT exhibit <i>Undergraduate research in computational sensing</i>
May 2017	Imagine RIT exhibit <i>Computing in language science classrooms with Linguine</i>
Mar 2017	Organizer <i>Distinguished computational ling lecture – Hal Daumé III</i>
Feb 2017	Steering committee member (as of Nov 2016) <i>Move 78: AI Retreat</i>
May 2016	Imagine RIT exhibit <i>Undergraduate research in computational sensing</i>
Apr 2016	Coordinator <i>MU-RIT computing visit April 25-27, 2016</i>
Oct 2015	Co-organizer MU-RIT labinar <i>Computing with societal impact</i>
Oct 2014	Lead co-organizer <i>Distinguished computational ling lecture – Dan Roth</i>
May 2014	Imagine RIT co-exhibit <i>Sensor fusion, cognitive [load] and stress detection</i>
Apr 2014	Co-organizer of Graduate education week opening event <i>Research beyond boundaries: Translation as interdisciplinary practice</i>
Jul 2013	Co-organizer of transdisciplinary student workshop <i>Knowledge representation: From data to knowledge</i>
Apr 2013	Speaker schedule organizer <i>Where text and code collide: The digital humanities distinguished speaker series – Rosalind Picard</i>
Mar 2012	Organizer <i>Symposium commemorating August Strindberg: Author, visual artist, &amp; playwright</i>
Jan 2012	Organizer producer visit <i>Søren Stærmose – The Girl with the Dragon Tattoo</i>
Dec 2011	Speaker <i>The Girl with the Dragon Tattoo, Conable global film series</i>
Apr 2011	Co-organizer <i>Symposium on language, technology &amp; media</i>

### RIT University service

2021 –	Resource Allocation and Budget Committee <i>college representative</i>
2021 –	RIT Equestrian Club <i>advisor</i>
2020 –	PhD in Computing and Information Sciences: Admissions Committee <i>member</i>
2018	Center for Human-Aware Artificial Intelligence (CHAI): An RIT Research Center of Excellence Proposal <i>co-drafter</i>
2017 – 2018	Move78 team <i>member</i>
2017	Cognitive science faculty search committee <i>member</i>
2016	Committee on interdisciplinary work <i>member</i>

2013, 17, 18 Session moderator *RIT undergraduate research symposium*

*RIT College of Liberal Arts service*

2022 – Distinguished Professor committee *member*  
 2022 Ad hoc committee on CLA restructuring *member*  
 2017 – 2019 College curriculum committee *member*  
 2016 – 2019 Linguistics/ Language science curriculum committee (LCC) *chair*  
 2015 – 2019 Curriculum committee for Digital Hum & Social Sciences BS *Dept rep.*  
 2014 – 2017 International education committee  
 2013 – 2014 Task force on interdisciplinary programming  
 2011 – 2014 Digital humanities faculty working group  
 2010 – 2016 Language science steering committee/ faculty group *English rep.; organizer*

*RIT ENGL Department service*

2020 – 2022 Agenda committee  
 2018 – 2019 Search committee chair *Computational linguistics/linguistics search*  
 2017 Search committee chair *Visiting Assistant Professor search*  
 2016 – 2017 Future of English committee  
 2016 – 2017 Marketing committee  
 2016 – 2017 Curriculum committee *Chair*  
 2015 – 2016 Curriculum committee *Language science & computational linguistics representative*  
 2015 Mission and vision committee  
 2013 – 2014 Marketing committee  
 2013 – 2014 Search committee chair *Computational linguistics search*  
 2012 Digital literatures and comparative media minor committee

*Other committees before RIT*

2010 – 2011 Acting secretary /2010 webmaster *ASTRA*  
 2009 Web reference group *Swedish Institute: instructional section*  
 2009 Sicca and Manon grant committee *Cornell Institute for European Studies*  
 2008 Fulbright committee *Cornell Institute for European Studies*  
 2006 – 2007 Grievance committee *Linguistics, Univ. of Illinois at Urbana-Champaign*

*Other, including before RIT*

2013 Participant *RIT health IT journal club*  
 2010 Panel *Swedish language learning and teaching in North America in the age of digital interaction and multimodal texts*  
 2010 Participant *RIT grant writer's boot camp, PI institute*

- 2009** Organizer *Symposium on Sweden and Scandinavia in their European and international contexts, Ithaca, New York*
- 2009** Session chair *SASS 2009, Madison, Wisconsin*
- 2008 – 2010** Advisor *Student organization Cornell Scandinavian club*
- 2005, 2006** Student conference volunteer *ACL 2006, EMNLP 2005*
- 2000 – 2007** Student volunteer *Department of Linguistics and Scandinavian events, UIUC*
- 2002, 2003** Entrance examination; website workshop organizer *USFQ, Ecuador*
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### **MEMBERSHIPS**

*ACL-Association for Computational Linguistics, ISCA-International Speech Communication Association (select years), ACM (select year), SIGSEM (ACL Special Interest Group on Computational Semantics), SIGBIOMED (ACL Special Interest Group on Biomedical NLP), SIGSLPAT (ACL Special Interest Group on Speech and Language Processing in Assistive Technology), Association of Swedish Teachers and Researchers in America (select years)*

### **LANGUAGES**

*Swedish (native), English (near-native), Spanish (fluent), German (fluent); written and aural comprehension of Norwegian and Danish; formal study of English language history, Icelandic, Old Norse, Latin, French; ASL 1A, ASL 1B, ASL group instruction, Provost's Development of Effective ASL Use at RIT program; ASL 1A (TWA-SP22)*