Ting-Hao 'Kenneth' Huang 黃挺豪

Associate Professor
College of Information Sciences and Technology
Pennsylvania State University
E357 Westgate Building, University Park, PA 16802

Email: txh710@psu.edu
           windx0303@gmail.com
Homepage: http://KennethHuang.cc
ORCID iD: 0000-0001-7021-4627

Appointments

- **Pennsylvania State University**, University Park, PA, USA, 07/2024 – Present.
  Associate Professor (with tenure), College of Information Sciences and Technology (IST)

  - Affiliation: Center for Social Data Analytics (C-SoDA), Fall 2018 – Present

  - Affiliation: Center for Socially Responsible Artificial Intelligence (CSRAI), 10/2021 – Present

- **Pennsylvania State University**, University Park, PA, USA, 08/2018 – 06/2024.
  Assistant Professor, College of Information Sciences and Technology (IST)

- **Carnegie Mellon University**, Pittsburgh, PA, USA, 09/2013 – 08/2018.
  PhD Research Assistant, Advisor: Dr. Jeffrey P. Bigham.

- **Institute of Information Science, Academia Sinica**, Taipei, Taiwan, 01/2016 – 02/2016.
  Visiting Scholar, Host: Dr. Lun-Wei Ku.

- **Microsoft Research**, Redmond, WA, USA, 05/2015 – 08/2015.
  PhD Research Intern, Host: Dr. Margaret Mitchell.

- **Carnegie Mellon University**, Pittsburgh, PA, USA, 09/2011 – 08/2013.
  Graduate Research Assistant, Advisor: Dr. Teruko Mitamura.

- **National Taiwan University**, Taipei, Taiwan, 09/2006 – 06/2011.
  Undergraduate/Graduate Research Assistant, Advisor: Dr. Hsin-Hsi Chen. Research Focuses: Sentiment Analysis, Syntax, Morphology.

Selected Awards and Honors

- Honourable Mention Award (Top 5%), CHI 2025
- Best Demo Award, CSCW 2023
- Best Long Paper Award (Top 3%), INLG 2023
- Best Evaluation Paper Award Nomination (Top 10%), INLG 2023
- Dean's Circle of Teaching Excellence for 2023
- Best Paper Award, Asian CHI Symposium 2021
- Outstanding Paper Award (Top 2.5%), IUI 2019
- Honourable Mention Award (Top 5%), CHI 2018
- Best Paper Honorable Mention Award (Top 5%), CHI LBW 2016
- Yahoo! Fellowship of the InMind project at CMU, 2014 – 2018

Education

- **Ph.D. in Computer Science, Carnegie Mellon University, 2013 – 2018**
  Language and Information Technologies (LTI), School of Computer Science
  Advisor: Dr. Jeffrey P. Bigham.

- **M.S. in Computer Science, Carnegie Mellon University, 2011 – 2013**
  Language and Information Technologies (LTI), School of Computer Science
  Advisor: Dr. Teruko Mitamura.

- **M.S. in Computer Science, National Taiwan University, 2007 – 2009**
  The Graduate Institute of Networking and Multimedia
  Advisors: Dr. Hsin-Hsi Chen.

- **B.S. in Computer Science & B.A. in Chinese Literature, National Taiwan University, 2003 – 2007**
  Dept. Computer Science and Information Engineering
  Dept. Chinese Literature (Double Major)

Peer-Reviewed Conference Papers

[**C.41**] Zixin Tang, Chieh-Yang Huang, Tsung-Chi Li, Ho Yin Sam Ng, Hen-Hsen Huang, **Ting-Hao K. Huang**. Using Contextually Aligned Online Reviews to Measure LLMs' Performance Disparities Across Language Varieties. 2025 Annual Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics (**NAACL 2025**). April 29 - May 4, 2025. Albuquerque, New Mexico, USA.

[**C.40**] Zeyu He, Saniya Naphade, **Ting-Hao K. Huang**. (2025). Prompting in the Dark: Assessing Human Performance in Prompt Engineering for Data Labeling When Gold Labels Are Absent. Proc. 2025 ACM CHI conference on Human Factors in Computing Systems (**CHI 2025**). April 26 - May 1, 2024. Yokohama, Japan.

[**C.39**] Ruyuan Wan, Lingbo Tong, Tiffany Knearem, Toby Jia-Jun Li, **Ting-Hao K. Huang**, Qunfang Wu. (2025). Hashtag Re-appropriation For Audience Control on Recommendation-driven Social Media Xiaohongshu (rednote). Proc. 2025 ACM CHI conference on Human Factors in Computing Systems (**CHI 2025**). April 26 - May 1, 2024. Yokohama, Japan.
Honourable Mention Award, Top 5%

[**C.38**] Min-Hsuan (Samuel) Yeh, Ruyuan Wan, **Ting-Hao K. Huang**. (2024). CoCoLoFa: A Dataset of News Comments with Common Logical Fallacies Written by LLM-Assisted Crowds. Proc. 2024 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2024**): Long Papers. November 12-16, 2024. Miami, Florida.

[**C.37**] Sam Ho Yin Ng, Zeyu He, **Ting-Hao K. Huang**. (2024). What Color Scheme is More Effective in Assisting Readers to Locate Information in a Color-Coded Article?. Proc. IEEE Visualization Conference 2024 (**IEEE VIS 2024**): Short Papers. October 13-18, 2024. St. Pete Beach, Florida, USA.

[**C.36**] Zeyu He, Chieh-Yang Huang, Chien-Kuang Cornelia Ding, Shaurya Rohatgi, **Ting-Hao K. Huang**. (2024). If in a Crowdsourced Data Annotation Pipeline, a GPT-4. Proc. 2024 ACM CHI conference on Human Factors in Computing Systems (**CHI 2024**). May 11-16, 2024. Honolulu, HI, USA.

[**C.35**] Nicholas Collin Suwono, Chih Yao Chen, Tun Min Hung, **Ting-Hao K. Huang**, I-Bin Liao, Yung-Hui Li, Lun-Wei Ku, Shao-Hua Sun. (2023). Location-Aware Visual Question Generation with Lightweight Models. Proc. 2023 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2023**). December 6-10, 2023. Singapore.

[**C.34**] Ting-Yao Hsu, Chieh-Yang Huang, Ryan A. Rossi, Sungchul Kim, C. Lee Giles, **Ting-Hao K. Huang**. (2023). GPT-4 as an Effective Zero-Shot Evaluator for Scientific Figure Captions. Proc. Findings of 2023 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2023 Findings**). December 6-10, 2023. Singapore.

[**C.33**] Adaku Uchendu, Jooyoung Lee, Hua Shen, Thai Le, **Ting-Hao K. Huang**, Dongwon Lee. (2023) Does Human Collaboration Enhance the Accuracy of Identifying LLM-Generated Deepfake Texts?

Proc. 11th AAAI Conference on Human Computation and Crowdsourcing (**HCOMP 2023**). November 6-9, 2023. Delft, Netherlands.

🏆 **[C.32]** Chieh-Yang Huang, Ting-Yao Hsu, Ryan Rossi, Ani Nenkova, Sungchul Kim, Gromit Yeuk-Yin Chan, Eunyee Koh, Clyde Lee Giles, **Ting-Hao K. Huang**. (2023) Summaries as Captions: Generating Figure Captions for Scientific Documents with Automated Text Summarization. Proc. 16th International Natural Language Generation Conference (**INLG 2023**). September 11-15, 2023. Prague, Czech Republic.
Best Long Paper Award, Top 3% (1 out of 26 accepted long papers)
Best Evaluation Paper Award Nomination, Top 10% (3 out of 26 accepted long papers)

[C.31] Pranav Narayanan Venkit, Sanjana Gautam, Ruchi Panchanadikar, **Ting-Hao K. Huang**, Shomir Wilson. (2023). Unmasking Nationality Bias: A Study of Human Perception of Nationalities in AI-Generated Articles. Proc. AAAI/ACM Conference on AI, Ethics, and Society 2023 (**AIES 2023**). August 8-10, 2023. Montreal, Canada.

[C.30] Pranav Narayanan Venkit, Sanjana Gautam, Ruchi Panchanadikar, **Ting-Hao K. Huang**, Shomir Wilson. (2023). Nationality Bias in Text Generation. Proc. the 17th Conference of the European Chapter of the Association for Computational Linguistics (**EACL 2023**). May 2-6, 2023. Dubrovnik, Croatia.

[C.29] Min-Hsuan Yeh, Vincent Foster Chen, **Ting-Hao K. Huang**, Lun-Wei Ku. (2022). Multi-VQG: Generating Engaging Questions for Multiple Images. Proc. 2022 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2022**). December 7-11, 2022. Abu Dhabi.

[C.28] Hua Shen, Tongshuang Wu, Wenbo Guo, **Ting-Hao K. Huang**. (2022). Are Shortest Rationales the Best Explanations For Human Understanding? Proc. 60th Annual Meeting of the Association for Computational Linguistics (**ACL 2022**). May 22-27, 2022. Online and in Dublin.

[C.27] Chi-Yang Hsu, Yun-Wei Chu, Vincent Chen, Kuan-Chieh Lo, Chacha Chen, **Ting-Hao K. Huang**, Lun-Wei Ku. (2022). Learning to Rank Visual Stories From Human Ranking Data. Proc. 60th Annual Meeting of the Association for Computational Linguistics (**ACL 2022**). May 22-27, 2022. Online and in Dublin.

[C.26] Ting-Yao Hsu, C. Lee Giles and **Ting-Hao K. Huang**. (2021). SciCap: Generating Captions for Scientific Figures. Findings of 2021 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2021 Findings**). November 7-11, 2021. Online and in the Barceló Bávaro Convention Centre, Punta Cana, Dominican Republic. (Main Conference + Findings Acceptance Rate = 35%)
Poster Presentation at the 7th Workshop on Noisy User-generated Text (W-NUT 2021, together with EMNLP 2021)

[C.25] Zhiyu Chen, Wenhu Chen, Charese Smiley, Sameena Shah, Iana Borova, Dylan Langdon, Reema Moussa, Matt Beane, **Ting-Hao K. Huang**, Bryan R. Routledge, and William Yang Wang. (2021). FinQA: A Dataset of Numerical Reasoning over Financial Data. Proc. 2021 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2021**). November 7-11, 2021. Online and in the Barceló Bávaro Convention Centre, Punta Cana, Dominican Republic. (Main Conference Acceptance Rate = 23.3%)

[C.24] Yanjun Gao, **Ting-Hao K. Huang** and Rebecca J. Passonneau. (2021). ABCD: A Graph Framework to Convert Complex Sentences to a Covering Set of Simple Sentences. Proc. Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (**ACL-IJCNLP 2021**). August 2-4, 2021. Virtual Conference. (Acceptance Rate = 21%)

[C.23] Chi-Yang Hsu, Yun-Wei Chu, **Ting-Hao K. Huang** and Lun-Wei Ku. (2021). Plot and Rework: Modeling Storylines for Visual Storytelling. Findings of the Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (**ACL-IJCNLP 2021 Findings**). August 2-4, 2021. Virtual Conference. (Acceptance Rate = 36%)

[C.22] Chieh-Yang Huang, **Ting-Hao K. Huang**. (2021). Semantic Frame Forecast. Proc. 2021 Annual Conference of the North American Chapter of the Association for Computational Linguistics **(NAACL-HLT 2021)**. June 6-11, 2021. Virtual Conference. (Acceptance Rate = 26%)

[C.21] Yen-Chia Hsu, **Ting-Hao K. Huang**, Ting-Yao Hu, Paul Dille, Sean Prendi, Ryan Hoffman, Anastasia Tsuhlares, Jessica Pachuta, Randy Sargent, Illah Nourbakhsh. (2021). Project RISE: Recognizing Industrial Smoke Emissions. Proc. Thirty-Fifth AAAI Conference on Artificial Intelligence **(AAAI 2021)**, AI for Social Impact Track. February 2-9, 2021. Virtual Conference. (Acceptance Rate = 21%)

[C.20] Yun-Hsuan Jen, Chieh-Yang Huang, Mei-Hua Chen, **Ting-Hao K. Huang**, Lun-Wei Ku. (2020) Assessing the Helpfulness of Learning Materials with Inference-Based Learner-Like Agent. Proc. the 2020 Conference on Empirical Methods in Natural Language Processing **(EMNLP 2020)**, November 16 - 20, 2020. (Acceptance Rate = 22.4%)

[C.19] Hua Shen, **Ting-Hao K. Huang**. (2020). How Useful Are the Machine-Generated Interpretations to General Users? A Human Evaluation on Guessing the Incorrectly Predicted Labels. Proc. the 8th AAAI Conference on Human Computation and Crowdsourcing **(HCOMP 2020)**, October 26 - 28, 2020, Hilversum, NL.

[C.18] Chieh-Yang Huang, Shih-Hong Huang, **Ting-Hao K. Huang**. (2020). Heteroglossia: In-Situ Story Ideation with the Crowd. In Proceedings of Conference on Human Factors in Computing Systems 2020 **(CHI 2020)**, April 25 - 30, 2020, Honolulu, Hawai'i, USA. (Acceptance Rate = 24.31%)

[C.17] Chao-Chun Hsu, Zi-Yuan Chen, Chi-Yang Hsu, Chih-Chia Li, Tzu-Yuan Lin, **Ting-Hao K. Huang**, Lun-Wei Ku. (2020). Knowledge-Enriched Visual Storytelling. In Proceedings of the Thirty-Fourth AAAI Conference on Artificial Intelligence **(AAAI 2020)**, February 7 - 12, 2020, New York, USA. (Acceptance Rate = 20.6%)

[C.16] Ting-Yao Hsu, Chieh-Yang Huang, Yen-Chia Hsu, **Ting-Hao K. Huang**. (2019). Visual Story Post-Editing. In Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics **(ACL 2019)**, July 28 - August 2, 2019, Florence, Italy. (Short Paper Acceptance Rate = 18.2%; Overall Acceptance Rate = 22.7%)

[C.15] Yen-Chia Hsu, Jennifer Cross, Paul Dille, Michael Tasota, Beatrice Dias, Randy Sargent, **Ting-Hao K. Huang**, Illah Nourbakhsh. (2019). Smell Pittsburgh: Community-Empowered Mobile Smell Reporting System. In Proceedings of the 24th annual meeting of the Intelligent User Interfaces **(IUI 2019)**, March 17-20 2019, Los Angeles, USA. (Acceptance Rate = 25%)
Outstanding Paper Award, Top 2.5% (7 out of 282 submissions)

[C.14] Sheng-Yeh Chen, Chao-Chun Hsu, Chuan-Chun Kuo, **Ting-Hao K. Huang**, Lun-Wei Ku. (2018). EmotionLines: An Emotion Corpus of Multi-Party Conversations. In Proceedings of the 11th edition of the Language Resources and Evaluation Conference **(LREC 2018)**, 7-12 May 2018, Miyazaki, Japan.

[C.13] **Ting-Hao K. Huang**, Joseph Chee Chang, Jeffrey P. Bigham. (2018). Evorus: A Crowd-powered Conversational Assistant Built to Automate Itself Over Time. In Proceedings of Conference on Human Factors in Computing Systems 2018 **(CHI 2018)**, 2018, Montréal, Canada. (Acceptance Rate = 25.8%)
Honourable Mention Award, Top 5% (101 out of 2500 submissions)

[C.12] **Ting-Hao K. Huang**, Jeffrey P. Bigham. (2017). A 10-Month-Long Deployment Study of On-Demand Recruiting for Low-Latency Crowdsourcing. In Proceedings of The fifth AAAI Conference on Human Computation and Crowdsourcing **(HCOMP 2017)**, 2017, Quebec City, Canada. (Acceptance Rate = 28.9%)

[C.11] Saiganesh Swaminathan, Raymond Fok, Fanglin Chen, **Ting-Hao K. Huang**, Irene Lin, Rohan Jadvani, Walter S. Lasecki, Jeffrey P. Bigham. (2017). WearMail: On-the-Go Access to Information in Your Email with a Privacy-Preserving Human Computation Workflow. In Proceedings of 30th

ACM Symposium on User Interface Software and Technology (**UIST 2017**), 2017, Quebec City, Canada. (Acceptance Rate = 22.5%)

[**C.10**] **Ting-Hao K. Huang**, Yun-Nung Chen, Jeffrey P. Bigham. (2017). Real-time On-Demand Crowd-powered Entity Extraction. In Proceedings of the 5th Edition Of The Collective Intelligence Conference (**CI 2017**, oral presentation), 2017, New York University, NY, USA.

[**C.9**] **Ting-Hao K. Huang**, Walter S. Lasecki, Amos Azaria, Jeffrey P. Bigham. (2016). "Is there anything else I can help you with?": Challenges in Deploying an On-Demand Crowd-Powered Conversational Agent. Conference on Human Computation & Crowdsourcing (**HCOMP 2016**), November, 2016, Austin, TX, USA. (Acceptance Rate = 30.3%).

[**C.8**] **Ting-Hao K. Huang**, Francis Ferraro, Nasrin Mostafazadeh, Ishan Misra, Jacob Devlin, Aishwarya Agrawal, Ross Girshick, Xiaodong He, Pushmeet Kohli, Dhruv Batra, Larry Zitnick, Devi Parikh, Lucy Vanderwende, Michel Galley, Margaret Mitchell. (2016). Visual Storytelling. In proc. the 15th Annual Conference of the North American Chapter of the Association for Computational Linguistics (**NAACL 2016**), June, 2016, San Diego, CA, USA. (Acceptance Rate = 29%).

[**C.7**] **Ting-Hao K. Huang**, Walter S. Lasecki, Jeffrey P. Bigham. (2015). Guardian: A Crowd-Powered Spoken Dialog System for Web APIs. Conference on Human Computation & Crowdsourcing (**HCOMP 2015**), November, 2015, San Diego, USA. (Acceptance Rate = 30%).

[**C.6**] Francis Ferraro, Nasrin Mostafazadeh, **Ting-Hao K. Huang**, Lucy Vanderwende, Jacob Devlin, Michel Galley, Margaret Mitchell. (2015). A Survey of Current Datasets for Vision and Language Research. Conference on Empirical Methods in Natural Language Processing (**EMNLP 2015**), September, 2015, Lisbon, Portugal. (Acceptance Rate = 24%, 312/1315).

[**C.5**] Ho-Cheng Yu, **Ting-Hao K. Huang**, Hsin-Hsi Chen. (2012). Domain Dependent Word Polarity Analysis for Sentiment Classification. Proceedings of the 24th ROCLING (**ROCLING 2012**) conference.

[**C.4**] Lun-Wei Ku, **Ting-Hao K. Huang**, Hsin-Hsi Chen. (2011). Predicting Opinion Dependency Relations for Opinion Analysis. Proceeding of IJCNLP (**IJCNLP 2011**). (Acceptance Rate = 36%)

[**C.3**] **Ting-Hao K. Huang**, Lun-Wei Ku, Hsin-Hsi Chen. (2010). Predicting Morphological Types of Chinese Bi-Character Words by Machine Learning Approaches. Proceedings of LREC (**LREC 2010**), Malta, pp. 844–850.

[**C.2**] Lun-Wei Ku, **Ting-Hao K. Huang**, and Hsin-Hsi Chen. (2010). Construction of a Chinese Opinion Treebank. Proceeding of LREC (**LREC 2010**), Malta, pp. 1315–1319.

[**C.1**] Lun-Wei Ku, **Ting-Hao K. Huang**, and Hsin-Hsi Chen. (2009). Using Morphological and Syntactic Structures for Chinese Opinion Analysis. Proceedings of EMNLP (**EMNLP 2009**), Singapore, pp. 1260–1269. (Acceptance Rate = 34%)

Peer-Reviewed Journal Articles

[**J.6**] Ting-Yao Hsu, Yi-Li Hsu, Shaurya Rohatgi, Chieh-Yang Huang, Ho Yin Sam Ng, Ryan Rossi, Sungchul Kim, Tong Yu, Lun-Wei Ku, Clyde Lee Giles, **Ting-Hao K. Huang**. Do Large Multimodal Models Solve Caption Generation for Scientific Figures? Lessons Learned from SciCap Challenge 2023. Transactions of the Association for Computational Linguistics (TACL). 2025. (Accepted)
Oral Presentation at 2025 Annual Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics (NAACL 2025)

[**J.5**] Yen-Chia Hsu, **Ting-Hao K. Huang**, Himanshu Verma, Andrea Mauri, Illah Nourbakhsh, Alessandro Bozzon. Empowering Local Communities Using Artificial Intelligence. Patterns. Volume 3, Issue 3, 100449, March 11, 2022. DOI: https://doi.org/10.1016/j.patter.2022.100449. (Published)

[**J.4**] Yen-Chia Hsu, Jennifer Cross, Paul Dille, Michael Tasota, Beatrice Dias, Randy Sargent, **Ting-Hao K. Huang**, Illah Nourbakhsh. Smell Pittsburgh: Engaging Community Citizen Science for Air Quality. ACM Transactions on Interactive Intelligent Systems (TIIS). 10, 4, Article 32 (November 2020), 49 pages. DOI: https://doi.org/10.1145/3369397. (Published)

[**J.3**] **Ting-Hao K. Huang**, Amos Azaria, Oscar Romero, Jeffrey P. Bigham. InstructableCrowd: Creating IF-THEN Rules for Smartphones via Conversations with the Crowd. Human Computation (2019) 6:1:113-146. ISSN: 2330-8001, DOI: 10.15346/hc.v6i1.7. (Published)

[**J.2**] **Ting-Hao K. Huang**: Social Metaphor Detection via Topical Analysis. International Journal of Computational Linguistics and Chinese Language Processing (**IJCLCLP**), 19(2) (2014). (Published)

[**J.1**] Ho-Cheng Yu, **Ting-Hao K. Huang**, and Hsin-Hsi Chen. (2012). Domain Dependent Word Polarity Analysis for Sentiment Classification. International Journal of Computational Linguistics and Chinese Language Processing (**IJCLCLP**), 17(3-4): Special Issue on ROCLING 2012. (Published)

Position Papers

[**P.4**] Andrea Mauri, Yen-Chia Hsu, Marco Brambilla, Aisling Ann O'Kane, **Ting-Hao K. Huang**, Himanshu Verma (2022). Empathy-Centric Design At Scale. Accepted at Workshops at the 2022 CHI Conference on Human Factors in Computing Systems (CHI 2022). April, 2022.

[**P.3**] Yun-Nung V. Chen, **Ting-Hao K. Huang**. (2020). Gaps Between "Talking Machines" and Modern Dialogue System Research. Position paper in the Workshop on Artificial Intelligence for HCI: A Modern Approach (**AI4HCI 2020**). April 25, 2020. Honolulu, Hawaii, USA.

[**P.2**] **Ting-Hao K. Huang**. (2019). On Automating Conversations. Invited position paper in the Artificial Intelligence and Work: AAAI 2019 Fall Symposium (**AAAI FSS 2019**). November 7-9, 2019. Arlington, VA, USA.

[**P.1**] Patricia Simon, Suchitra Krishnan-Sarin, **Ting-Hao K. Huang**. (2019). On Using Chatbots to Promote Smoking Cessation Among Adolescents of Low Socioeconomic Status. Selected for round-table discussion in the Artificial Intelligence and Work: AAAI 2019 Fall Symposium (**AAAI FSS 2019**). November 7-9, 2019. Arlington, VA, USA.

Workshop, Symposia, and Consortia Papers

[**W.17**] Understanding Writing Assistants for Scientific Figure Captions: A Thematic Analysis. Ho Yin Sam Ng, Ting-Yao Hsu, Jiyoo Min, Sungchul Kim, Ryan A. Rossi, Tong Yu, Hyunggu Jung, **Ting-Hao K. Huang**. The Fourth Workshop on Intelligent and Interactive Writing Assistants (Co-located with NAACL 2025). May 4, 2025. Albuquerque, New Mexico.

🏆 [**W.16**] Understanding How Paper Writers Use AI-Generated Captions in Figure Caption Writing. Ho Yin Sam Ng, Ting-Yao Hsu, Jiyoo Min, Sungchul Kim, Ryan A. Rossi, Tong Yu, Hyunggu Jung, **Ting-Hao K. Huang**. AAAI 2025 Workshop: Towards a Knowledge-grounded Scientific Research Lifecycle. March 4, 2025. Philadelphia, Pennsylvania, USA.
Best Paper Award

[**W.15**] Multi-LLM Collaborative Caption Generation in Scientific Documents. Jaeyoung Kim, JongHo Lee, Hong-Jun Choi, Ting-Yao Hsu, Chieh-Yang Huang, Sungchul Kim, Ryan A. Rossi, Tong Yu, C. Lee Giles, **Ting-Hao K. Huang**, Sungchul Choi. AAAI 2025 Workshop: Towards a Knowledge-grounded Scientific Research Lifecycle. March 4, 2025. Philadelphia, Pennsylvania, USA.

[**W.14**] On Replacing Humans with Large Language Models in Voice-Based Human-in-the-Loop Systems. Shih-Hong Huang and **Ting-Hao K. Huang**. Proceedings of the AAAI 2024 Spring Symposium Series: Bi-directionality in Human-AI Collaborative Systems. March 25-27, 2024. Stanford University, USA.

[**W.13**] Good Data, Large Data, or No Data? Comparing Three Approaches in Developing Research Aspect Classifiers for Biomedical Papers. Shreya Chandrasekhar, Chieh-Yang Huang and **Ting-Hao K. Huang**. BioNLP Workshop 2023, co-located with ACL 2023. July 13, 2023. Toronto, Canada.

[**W.12**] Conveying the Predicted Future to Users: A Case Study of Story Plot Prediction. AAAI 2023 Workshop on Creative AI Across Modalities. Chieh-Yang Huang, Saniya Naphade, Kavya Laalasa Karanam, and **Ting-Hao K. Huang**. Feb 13th, 2023. Washington DC, USA.

[**W.11**] Are GANs Biased? Evaluating GAN-Generated Facial Images via Crowdsourcing. Workshop on Human Evaluation of Generative Models (**HEGM 2022**) at NeurIPS 2022. Hangzhi Guo, Lizhen Zhu, and **Ting-Hao K. Huang**. December 3, 2022. New Orleans, USA.

[**W.10**] Learning Clause Representation from Dependency-Anchor Graph for Connective Prediction. Workshop of Graph-based Algorithms for Natural Language Processing (**TextGraphs-15**) at NAACL 2021. Yanjun Gao, **Ting-Hao K. Huang**, and Rebecca J. Passonneau. June 11, 2021. Virtual Event.

[**W.9**] Shen Hua, **Ting-Hao K. Huang**. (2021). Explaining the Road Not Taken. CHI 2021 Workshop on Operationalizing Human-centered Perspectives in Explainable AI (**HCXAI2021**). May 8-9, 2021. Virtual Event.

🏆 [**W.8**] *Tongan Cai, *Chacha Chen, **Ting-Hao K. Huang**, Frank E. Ritter. (2021). What Makes A Good Reference Manager? A Quantitative Analysis of Bibliography Management Applications. Asian CHI Symposium 2021 (**AsianCHI2021**). May 7-8, 2021. Online Virtual Symposium. **Best Paper Award (For Receiving the Highest Score from Expert Reviewers)**

[**W.7**] Shih-Han Chan, Tsai-Lun Yang, Yun-Wei Chu, Chi-Yang Hsu, **Ting-Hao K. Huang**, Yu-Shian Chiu and Lun-Wei Ku. (2021). Let's Talk! Striking Up Conversations via Conversational Visual Question Generation. AAAI 2021 Workshop (W22) on Reasoning and Learning for Human-Machine Dialogues (**DEEP-DIAL 2021**). February 2-9, 2021. Virtual Conference.

[**W.6**] **Ting-Hao K. Huang**, Chieh-Yang Huang, Chien-Kuang Cornelia Ding, Yen-Chia Hsu, C. Lee Giles. (2020). CODA-19: Using a Non-Expert Crowd to Annotate Research Aspects on 10,000+ Abstracts in the COVID-19 Open Research Dataset. Proc. NLP COVID-19 Workshop @ACL 2020 (**COVID-NLP 2020**). July 9-10, 2020.

[**W.5**] Saiganesh Swaminathan, **Ting-Hao K. Huang**, Irene Lin, Anhong Guo, Gierad Laput, and Jeffrey P. Bigham. (2017). Epistemo: A Crowd-Powered Conversational Search Interface. In the Talking with Conversational Agents in Collaborative Action Workshop at the 20th ACM conference on Computer-Supported Cooperative Work and Social Computing.

[**W.4**] Chieh-Yang Huang, **Ting-Hao K. Huang**, Lun-Wei Ku. (2017). Challenges in Providing Automatic Affective Feedback in Instant Messaging Applications. In the Designing the User Experience of Machine Learning Systems symposium (**AAAI 2017 Spring Symposium Series**), March 27-29, 2017, Palo Alto, USA.

[**W.3**] **Ting-Hao K. Huang**. Crowd-Powered Conversational Agents. Doctoral Consortium of Conference on Human Computation & Crowdsourcing (**HCOMP DC 2016**), 2016, Austin, TX, USA.

🎗 [**W.2**] **Ting-Hao K. Huang**, Yun-Nung Chen, Lingpeng Kong. (2015). ACBiMA: Advanced Chinese Bi-Character Word Morphological Analyzer. The 8th SIGHAN Workshop on Chinese Language Processing (**SIGHAN 2015**), July 30-31, 2015, Beijing, China. (Acceptance Rate = 29%). **Best Poster Award of LTI Student Research Symposium 2013**

[**W.1**] **Ting-Hao K. Huang**. (2013). Social Metaphor Detection via Topical Analysis. IJCNLP 2013 Workshop on Natural Language Processing for Social Media (**SocialNLP 2013**), pages 14–22, Nagoya, Japan, 14 October 2013. (Acceptance Rate = 35%).

Demos

🏆 **[D.6]** Hua Shen, Chieh-Yang Huang, Tongshuang Wu, and **Ting-Hao K. Huang**. ConvXAI: Delivering Heterogeneous AI Explanations via Conversations to Support Human-AI Scientific Writing. The Demonstrations track of 2023 ACM SIGCHI Conference on Computer-Supported Cooperative Work & Social Computing (**CSCW 2023 Demo**).
Best Demo Award

[D.5] Chi-Yang Hsu, Yun-Wei Chu, Tsai-Lun Yang, **Ting-Hao K. Huang**, and Lun-Wei Ku. Stretch-VST: Getting Flexible With Visual Stories. ACL-IJCNLP Demo Track 2021 (**ACL Demo 2021**).

[D.4] Chao-Chun Hsu, Yu-Hua Chen, Zi-Yuan Chen, Hsin-Yu Lin, **Ting-Hao K. Huang**, and Lun-Wei Ku. Dixit: Interactive Visual Storytelling via Term Manipulation. In the Demo track of The Web Conference 2019 (**TheWebConf Demo 2019**).

[D.3] Chieh-Yang Huang, Tristan Labetoulle, **Ting-Hao K. Huang**, Yi-Pei Chen, Hung-Chen Chen, Vallari Srivastava, and Lun-Wei Ku. MoodSwipe: A Soft Keyboard that Suggests Messages Based on User-Specified Emotions. In the Demo track of the Conference on Empirical Methods in Natural Language Processing 2017 (**EMNLP Demo 2017**), Sep, 2017, Copenhagen, Denmark.

[D.2] Shih-Ming Wang, Chun-Hui Li, Yu-Chun Lo, **Ting-Hao K. Huang**, Lun-Wei Ku. (2016). Sensing Emotions in Text Messages: An Application and Deployment Study of EmotionPush. In the demo track of the 26th International Conference on Computational Linguistics (**COLING Demo 2016**), Dec, 2016, Osaka, Japan.

[D.1] **Ting-Hao K. Huang**, Ho-Cheng Yu and Hsin-Hsi Chen. (2012). Modeling Pollyanna Phenomena in Chinese Sentiment Analysis. In the demo track of the COLING 2012 (**COLING Demo 2012**).

Posters and Extended Abstracts

[A.11] Chieh-Yang Huang, Sanjana Gautam, Shannon McClellan Brooks, Ya-Fang Lin, Tiffany Knearem, **Ting-Hao K. Huang**. 2025. Inspo: Writing with Crowds Alongside AI. CHI 2025 Late-Breaking Work (LBW) track. ACM.

[A.10] Shih-Hong Huang, Ya-Fang Lin, Zeyu He, Chieh-Yang Huang, **Ting-Hao K. Huang**. 2024. How Does Conversation Length Impact User's Satisfaction? A Case Study of Length-Controlled Conversations with LLM-Powered Chatbots. CHI 2024 Late-Breaking Work (LBW) track. ACM.

[A.9] Ting-Yao Hsu, Chieh-Yang Huang, Shih-Hong Huang, Ryan Rossi, Sungchul Kim, Tong Yu, C. Lee Giles, **Ting-Hao K. Huang**. 2024. SciCapenter: Supporting Caption Composition for Scientific Figures with Machine-Generated Captions and Ratings. CHI 2024 Late-Breaking Work (LBW) track. ACM.

[A.8] Shih-Hong Huang, Chieh-Yang Huang, Ya-Fang Lin, **Ting-Hao K. Huang**. 2023. What Types of Questions Require Conversation to Answer? A Case Study of AskReddit Questions. CHI 2023 Late-Breaking Work (LBW) track. ACM.

[A.7] Shih-Hong Huang, Chieh-Yang Huang, Yuxin Deng, Hua Shen, Szu-Chi Kuan, **Ting-Hao K. Huang**. 2022. Too Slow to Be Useful? On Incorporating Humans in the Loop of Smart Speakers. The Works-in-Progress and Demonstration track of the 10th AAAI Conference on Human Computation and Crowdsourcing (**HCOMP 2022 WiP/Demo**). AAAI.

[A.6] Johnna Blair, Chi-Yang Hsu, Ling Qiu, Shih-Hong Huang, **Ting-Hao K. Huang**, Saeed Abdullah. 2021. Using Tweets to Assess Mental Well-being of Essential Workers During the COVID-19 Pandemic. CHI'21 Late-Breaking Work on Human Factors in Computing Systems (**CHI Late-Breaking-Work 2021**). ACM.

[A.5] Ting-Yao Hsu, Yen-Chia Hsu, **Ting-Hao K. Huang**. 2019. On How Users Edit Computer-Generated Visual Stories. CHI'19 Late-Breaking Work on Human Factors in Computing Systems (**CHI Late-Breaking-Work 2019**). ACM.

[A.4] Jeffrey P. Bigham, Raja Kushalnagar, **Ting-Hao K. Huang**, Juan Pablo Flores and Saiph Savage. On How Deaf People Might Use Speech to Control Devices. In the Poster track ASSETS 2017 (**ASSETS Poster 2017**), October, 2017. Baltimore, Maryland.

[A.3] **Ting-Hao K. Huang**, Joseph Chee Chang, Saiganesh Swaminathan, Jeffrey P. Bigham. Evorus: A Crowd-powered Conversational Assistant That Automates Itself Over Time. In the Poster track of the 20th ACM Symposium on User Interface Software and Technology (**UIST Poster 2017**), October, 2017. Quebec City, Canada.

[A.2] **Ting-Hao K. Huang**, Amos Azaria, Jeffrey P. Bigham. (2016). InstructableCrowd: Creating IF-THEN Rules via Conversations with the Crowd. In CHI '16 Late-Breaking Work on Human Factors in Computing Systems (**CHI LBW 2016**), May, 2016, San Jose, CA, USA. **Best Paper Honorable Mention Award, Top 5% (14 out of 281)**

[A.1] **Ting-Hao K. Huang**, Walter S. Lasecki, Alan L. Ritter, Jeffrey P. Bigham. (2014). Combining Non-Expert and Expert Crowd Work to Convert Web APIs to Dialog Systems. Work-in-Progress paper in the Proceeding of Conference on Human Computation and Crowdsourcing (**HCOMP WIP 2014**), November 2-4, 2014, Pittsburgh, USA.

Theses

[T.2] **Ting-Hao K. Huang**. (2018). A Crowd-Powered Conversational Assistant That Automates Itself Over Time. PhD Dissertation, Language Technologies Institute, Carnegie Mellon University, Pittsburgh, PA, USA. 2018.

[T.1] **Ting-Hao K. Huang**. (2009). Automatic Extraction of Intra- and Inter- word Syntactic Structures for Chinese Opinion Analysis (應用於中文意見分析之詞內暨詞間語法結構自動擷取研究). Master thesis, Graduate Institute of Networking and Multimedia (GINM), National Taiwan University, Taipei.

Grants and Other Support

[G.15] **DeepStroke+: An Advanced Mobile AI Diagnostic Tool for Fast and Precise Detection of Acute Strokes in Mobile Stroke Units, Emergency Rooms, and Telestroke Triage** National Institutes of Health (R01 Research Award, FAIN: R01NS140292) *Co-investigators (PIs: Stephen T. Wong, John J. Volpi, James Wang)*, February 1, 2025—January 31, 2030, Year 1: $619,969 USD

[G.14] **Toward Robust Annotation and Detection of Logical Fallacies in Online Misinformation** Center for Socially Responsible Artificial Intelligence (CSRAI) Seed Funding for 2024-25 (Research Award) *Principal Investigator (Co-PI: Dongwon Lee)*, December 5, 2024—June 30, 2025, $25,000 USD

[G.13] **Generating and Validating Captions for Scientific Figures Based on Scientific Claims** Alfred P. Sloan Foundation (Grant) *Principal Investigator (Co-PI: C. Lee Giles)*, December 1, 2024—November 30, 2025, $246,600 USD

[G.12] **Benchmarking Large Language Models' Performance Disparities Across Language Varieties** 2024-2025 Seed Grant from the College of IST (Research Award) *Principal Investigator (Co-PI: Janet G. van Hell)*, October 14, 2024—June 30, 2025, $30,000 USD

[G.11] **ReDDDot Phase 1: Planning Grant: Prioritization of Housing & Behavioral Health Services to Individuals and Families** NSF Award #2427737 (Standard Grant) *Co-Principal Investigator (PI: Amulya Yadav)*, October 1, 2024—September 30, 2026, $300,000 USD

[G.10] **Curating a Dataset for Common Logical Fallacies in Online Conversations**
Meta Research (Research Award, RFP: Mephisto Dataset Collection Tool)
Principal Investigator, June 2022, $41,500 USD

[G.9] **Captioning Charts and Insights in Adobe AEP at Scale**
Adobe Research (Unrestricted Gift)
Principal Investigator (Co-PI: C. Lee Giles), May 2022, $15,000 USD

[G.8] **Promoting Algorithmic Fairness in Educational Technology**
Penn State CSRAI Seed Fund 2021 (Research Award)
Principal Investigator, Spring 2022, $24,600 USD; IST additionally provided matching funds of $15,000 USD
With Dr. Roger Beaty (Department of Psychology, Co-PI)

[G.7] **CODA-19: Using a Non-Expert Crowd to Annotate Research Aspects on 10,000+ Abstracts in the COVID-19 Open Research Dataset**
Toloka (Research Award)
Principal Investigator, Fall 2021, $500 USD Toloka credit.
Toloka additionally sponsored my "IST597: Crowdsourcing & Crowd-AI Systems" course by providing tutorials and $100 Toloka credit for each student.

[G.6] **Using Social Media to Assess and Support Mental Wellbeing of Essential Workers**
Penn State C-SoDA Accelerator Award (Research Award)
Principal Investigator, Spring 2021, $15,724 USD
With Dr. Saeed Abdullah (Co-PI)

[G.5] **Annotating COVID-19 Papers Rapidly Using Non-Expert Crowd**
College of IST COVID-19 Seed Fund (Research Award)
Principal Investigator, Spring 2020, $17,000 USD
With Dr. C. Lee Giles (Co-PI)

[G.4] **Annotating COVID-19 Papers Rapidly Using Non-Expert Crowd**
Huck Institutes of the Life Sciences' Coronavirus Research Seed Fund (CRSF) (Research Award)
Principal Investigator, Spring 2020, $30,000 USD
With Dr. C. Lee Giles (Co-PI)

[G.3] **Neural Caption Generation for Scientific Figures**
College of Information Sciences and Technology Seed Grant (Research Award)
Principal Investigator, Spring 2020, $51,000 USD
With Dr. C. Lee Giles (Co-PI)

[G.2] **Visual Storytelling: Generation, Post-Editing, and Applications**
College of Information Sciences and Technology Seed Grant (Research Award)
Principal Investigator, Spring 2019, $51,000 USD

[G.1] **Regional Differences in Opinions Toward Climate Change Among Twitter Users**
PSU Twitter Data for Social Science Research Seed Grants (Level-2) (Research Award)
Principal Investigator, March 2019, $20,000 USD; IST additionally provided matching funds of $10,000 USD
With Dr. John Yen (IST, Co-PI) and Dr. Guangqing Chi (Department of Agricultural Economics, Sociology, and Education, Co-PI)

Professional Activity

- Associate Chair (AC), CHI 2025 ("Understanding People - Statistical and Quantitative Methods" subcommittee)
- Co-Organizer, 4th Workshop on Intelligent and Interactive Writing Assistants (In2Writing), 2025 (co-located with NAACL 2025)

- Co-Organizer, 3rd Workshop on Intelligent and Interactive Writing Assistants (In2Writing), 2024 (co-located with CHI 2024)
- Associate Chair (AC), ACL 2023 ("Sentiment Analysis, Stylistic Analysis, and Argument Mining" track)
- Co-Organizer, The Second Workshop on Intelligent and Interactive Writing Assistants (In2Writing), 2023 (co-located with CHI 2023)
- Co-Organizer, The Workshop on Human Evaluation of Generative Models at NeurIPS 2022.
- Demo and Work-in-Progress Co-Chairs, HCOMP 2022
- Co-Organizer, The First Workshop on Intelligent and Interactive Writing Assistants (In2Writing), 2022 (co-located with ACL 2022)
- Co-Organizer, CHI2022 workshop EmpathiCH: Empathy-Centric Design At Scale.
- Associate Chair (AC), UIST 2021/2022.
- CrowdCamp Co-Chair, HCOMP 2021.
- Reviewers for an NSF panel, 2020.
- Organizer, Workshop on Storytelling 2018 (co-located with NAACL-HLT), 2019 (co-located with ACL).
- Organizer, Visual Storytelling Challenge at ICCV17's 2nd workshop on Closing the Loop Between Vision and Language, Venice, Italy.
- Conference Paper Reviewer / PC Member: CHI 2017/2018/2019/2020/2021, CSCW 2018/2019/2020/2021, IMWUT (2017/2021), UIST 2018/2019/2020/2021, TheWebConf 2019/2020
- Workshop Reviewer / PC Member: CHI LBW 2018, SocialNLP 2016, user2agent 2019

Selected Invited Talks

- *Supporting Writing in the Era of Large Language Models.* Invited Talk (In Person), **Khoury College of Computer Sciences, Northeastern University**. March 29, 2024. (Host: Dr. Saiph Savage and Dr. Dakuo Wang)
- *Crowdsourcing & Crowd-AI Systems.* Guest Lecture (Remote), Data Science Course, **Informatics Institute, University of Amsterdam**. March 21, 2023. (Host: Dr. Yen-Chia Hsu)
- *Help People Write Papers and Stories in the Era of Large Language Models.* Invited Talk (In Person), **School of Computing and Information Systems, Singapore Management University**. December 7, 2023. (Host: Dr. Kotaro Hara)
- *To Run Where the Brave Dare Not Go: Push Beyond Common Boundaries in Human-Machine Collaboration.* Invited Talk (Remote), **Information School, University of Wisconsin-Madison**. Feb 28, 2023. (Host: Dr. Kyung-Sun Kim)
- *Push Beyond Common Boundaries in Human-Machine Collaboration.* Invited Talk (Remote), Colloquim, **iSchool, University of Texas at Austin**. November 1, 2022. (Host: Dr. Matthew Lease)
- *To Run Where the Brave Dare Not Go: The Future of Human-AI Systems.* Guest Lecture, Social Data Analytics Seminar (SoDA 502). September 6, 2022. (Host: Dr. Charles Seguin)
- *Visual Storytelling.* Invited Talk, **Samsung AI Center, Cambridge, UK**. May 16, 2022. (Host: Victor Escorcia)
- *Visual Storytelling.* Guest Lecture, Interactive Fiction and Text Generation (CIS 700), **University of Pennsylvania**. April 19, 2022. (Host: Dr. Lara Martin and Dr. Chris Callison-Burch)
- *Crowdsourcing and Crowd-AI Systems.* Guest Lecture, Social Data Analytics Seminar (SoDA 501), **Pennsylvania State University (University Park)**. April 7, 2022. (Host: Dr. Burt Monroe)
- *To Run Where the Brave Dare Not Go: The Future of Human-AI Systems.* Guest Lecture, Human-AI Course (EECS-598), **University of Michigan**. March 23, 2022. (Host: Dr. Anhong Guo)
- *To Run Where the Brave Dare Not Go: The Future of Human-AI Systems (*奔赴未竟之地：人與人工智慧協作的未來*).* Invited Talk, **"NExT Forum on AI and Next-Generation Communication"**,

Taiwan (Virtual). June 6, 2021. (Host: NExT Forum)

- *Toward Future Crowd-AI Systems.* Guest Lecture, Crowdsourcing & Human Computation (NETS 213), **University of Pennsylvania**. Apr 6, 2021. (Host: Dr. Chris Callison-Burch)
- *Crowd-AI Systems that Support Story Writing.* Invited Talk, Institute of Information Science (IIS), **Academia Sinica, Taiwan**. Dec 30, 2019. (Host: Dr. Lun-Wei Ku)
- *On Automating Conversations.* Invited Panelist, Artificial Intelligence and Work: AAAI 2019 Fall Symposium **(AAAI FSS 2019)**, Arlington, VA, USA. November 7-9, 2019. (Host: Dr. Kevin Crowston)
- *Crowdsourcing and Crowd-AI Systems.* Invited Speaker, **National Center for High-Performance Computing**, Taiwan. Dec 19, 2019. (Host: Dr. Yeong-Her Wang)
- *Crowd Research: Data, Workflows, and Crowd-AI Systems.* Invited Speaker, **"Information Retrieval meets Artificial Intelligence" Workshop**, Taipei, Taiwan. Dec 12, 2018. (Host: Dr. Lun-Wei Ku)
- *Crowd Research: Labels, Workflows, and Crowd-Powered Systems.* Invited Speaker, IEEE/IBM Watson Talk Series, **West Virginia University**. Nov 13, 2017. (Host: Dr. Saiph Savage)
- *Crowd Research: Labels, Workflows, and Crowd-Powered Systems.* Invited Speaker, Department of Computer Science and Information Engineering (CSIE), **National Taiwan University**, Taiwan. Sep 29, 2017. (Host: Dr. Hsin-Hsi Chen)
- *Crowd Research: Labels, Workflows, and Crowd-Powered Systems.* Invited Speaker, Institute of Information Science (IIS), **Academia Sinica, Taiwan**. Sep 26, 2017. (Host: Dr. Lun-Wei Ku)

Selected Media Coverage

[**M.17**] **PSU News.** Mary Fetzer. (October 17, 2023).
IST researchers earn best paper award at natural language generation conference.
https://www.psu.edu/news/information-sciences-and-technology/story/ist-researchers-earn-best-paper-award-natural-language/

[**M.16**] **PSU News.** Jessica Hallman. (June 09, 2021).
Essential workers' tweets show surprising positivity during pandemic.
https://www.psu.edu/news/research/story/essential-workers-tweets-show-surprising-positivity-during-pandemic/

[**M.15**] **Eyes on Place (眼底城事).** Yen-Chia Hsu (Invited Article). (Mar 19, 2021).
社區公民科學：用開放數位平台的技術與公民合作解決都市環境問題.
https://eyesonplace.net/2021/03/19/16600/

[**M.14**] **PSU News.** Jessica Hallman. (October 26, 2020).
Users don't understand computer explanations for image labeling errors.
https://news.psu.edu/story/636629/2020/10/26/research/users-don't-understand-computer-explanations-image-labeling-errors

[**M.13**] **PSU News.** Jordan Ford. (April 17, 2020).
Human and AI annotations aim to improve scholarly results in COVID-19 searches.
https://news.psu.edu/story/616031/2020/04/17/research/human-and-ai-annotations-aim-improve-scholarly-results-covid-19

[**M.12**] **PSU News.** Jessica Hallman. (March 13, 2020).
Crowdsourcing plot lines to help the creative process.
https://news.psu.edu/story/611778/2020/03/13/research/crowdsourcing-plot-lines-help-creative-process

[**M.11**] **WTAE TV News.** Janelle Hall. (Feb 8, 2018).
Meet the "Chorus" chatbot: Unlike Alexa or Siri, it's powered by actual people on the other end.
http://www.wtae.com/article/chorus-chatbot-carnegie-mellon-university-

`pittsburgh/16870459`

[M.10] **TribLive.** Aaron Aupperlee. (Feb 8, 2018).
Chatbot developed at Carnegie Mellon uses humans to answer questions AIs can't.
`http://triblive.com/business/technology/13275597-74/chatbot-developed-at-carnegie-mellon-uses-humans-to-answer-questions-ais-cant`

[M.9] **pressetext.** Sabrina Manzey. (Feb 8, 2018).
KI-System "Evorus" wird zunehmend eigenständig: Von Menschen lernendes System beantwortet immer komplexere Fragen.
`https://www.pressetext.com/news/20180208014`

[M.8] **CMU SCS News.** Byron Spice. (Feb 7, 2018).
Crowd Workers, AI Make Conversational Agents Smarter.
`https://www.cs.cmu.edu/news/crowd-workers-ai-make-conversational-agents-smarter`

[M.7] **EurekAlert!.** Carnegie Mellon University. (Feb 7, 2018).
Crowd workers, AI make conversational agents smarter: Human/machine hybrid system can answer wide array of questions.
`https://www.eurekalert.org/pub_releases/2018-02/cmu-cwa020618.php`

[M.6] **The Register.** Thomas Claburn. (Aug 14, 2017).
Dismayed by woeful AI chatbots, boffins hired real people – and went back to square one.
`https://www.theregister.co.uk/2017/08/14/chat_bots_work_better_with_people/`

[M.5] **The Stack.** Martin Anderson. (April 14, 2016).
Microsoft releases data-set for "emotional" automated captioning.
`https://thestack.com/cloud/2016/04/14/microsoft-sind-dataset-captioning-narrative/`

[M.4] **Microsoft Official Blog.** Allison Linn. (April 14, 2016).
Teaching computers to describe images as people would.
`http://blogs.microsoft.com/next/2016/04/14/teaching-computers-to-describe-images-as-people-would/`

[M.3] **VentureBeat.** Jordan Novet. (April 14, 2016).
Microsoft researchers are teaching AI to write stories about groups of photos.
`http://venturebeat.com/2016/04/14/microsoft-ai-visual-storytelling/`

[M.2] **Wired.** Wired. (April 15, 2016).
WIRED Awake: 10 must-read articles for 15 April.
`http://www.wired.co.uk/news/archive/2016-04/15/wired-awake-15-april`

[M.1] **MIT Technology Review.** Signe Brewster. (April 27, 2016).
Will Artificial Intelligence Win the Caption Contest?.
`https://www.technologyreview.com/s/601339/will-artificial-intelligence-win-the-caption-contest/#/set/id/601340/`

Honors as a Creative Writer

- Invited member of "Mystery Writers of Taiwan", 2010 – Present
- Mystery Fiction Award, by "Mystery Writers of Taiwan", 2010
  Short Story: "The Maiden's Prayer"
- First Prize of "Taipei The Less" Essay Competition, 2005
  Flash Fiction: "Genesis in Taipei."