

A trajectory of key publications and events that informed my research agenda is as follows
(*Recommended Reading):

2015 – 2017: Pedagogically aligned Teamwork Analytics using Text Analysis

- **Antonette Shibani**, Elizabeth Koh, and Helen Hong (2015) [Text mining approach to automate teamwork assessment in group chats](#). In *Proceedings of the Fifth International Conference on Learning Analytics And Knowledge (LAK '15)*. ACM, New York, NY, USA, 434-435. DOI=<http://dx.doi.org/10.1145/2723576.2723648>
- *Elizabeth Koh, **Antonette Shibani**, Jennifer Pei-Ling Tan, and Helen Hong (2016). [A pedagogical framework for learning analytics in collaborative inquiry tasks: an example from a teamwork competency awareness program](#). In *Proceedings of the Sixth International Conference on Learning Analytics & Knowledge (LAK '16)*. ACM, New York, NY, USA, 74-83. DOI: <http://dx.doi.org/10.1145/2883851.2883914>
- ***Antonette Shibani**, Elizabeth Koh, Vivian Lai and Kyong Jin Shim (2017). [Assessing the language of chat for teamwork dialogue](#). *Educational Technology & Society*, 20(2), 224–237.

2017 – 2020: Contextual LA and LA alignment with Learning Design

- ***Antonette Shibani**, Simon Knight, Simon Buckingham Shum and Philippa Ryan (2017). [Design and Implementation of a Pedagogic Intervention Using Writing Analytics](#). In *Proceedings of the 25th International Conference on Computers in Education*. New Zealand: Asia-Pacific Society for Computers in Education
- **Antonette Shibani** (2018). [Developing a Learning Analytics Intervention Design and tool for Writing Instruction](#). In *Companion Proceedings of the Eighth International Conference on Learning Analytics & Knowledge (LAK '18)*, Sydney, Australia
- Simon Knight, **Antonette Shibani** and Simon Buckingham Shum (2018). [Augmenting Formative Writing Assessment with Learning Analytics: A Design Abstraction Approach](#). Full Paper presented at the London Festival of Learning cross-over track (ICLS 2018).
- ***Antonette Shibani**, Simon Knight and Simon Buckingham Shum (2019). [Contextualizable Learning Analytics Design: A Generic Model, and Writing Analytics Evaluations](#). Full paper presented at the *Ninth International Conference on Learning Analytics & Knowledge (LAK '19)*, Tempe, Arizona. [[Related post](#)]
- **Antonette Shibani** (2019) [Augmenting Pedagogic Writing practice with Contextualizable Learning Analytics](#). PhD thesis. Submitted to the Connected Intelligence Centre, University of Technology Sydney [[Permalink](#)]
- 2020, November. Invited [blog post for Nexus](#): 'AcaWriter: designing automated feedback on writing that teachers and students trust' published by the Society for Learning Analytics Research.

2018 – 2023: Building the space of 'Writing Analytics'

- **Antonette Shibani**, Sophie Abel, Andrew Gibson and Simon Knight (2018, March). [Turning the TAP on Writing Analytics](#). Workshop chaired in the *Eighth International Conference on Learning Analytics & Knowledge*, Sydney. [[PDF](#)]

- Ming Liu, Simon Knight, **Antonette Shibani** and Sophie Abel (2018, November). [From features to feedback: Designing automated feedback for student writing](#). *Workshop chaired in the Australian Learning Analytics Summer Institute ALASI'18, Melbourne.*
- **Antonette Shibani**, Ming Liu, Christian Rapp and Simon Knight (2019). [Advances in Writing Analytics: Mapping the state of the field](#). *Workshop chaired at the Ninth International Conference on Learning Analytics & Knowledge LAK'19, Tempe, Arizona.* [PDF]
- 2019 – Ongoing: Founder and member of the SoLAR Special Interest Group on Writing Analytics ([SIGWA](#))
- Christian Rapp, Susan Lang, **Antonette Shibani**, Kalliopi Benetos & Chris Anson (2020, March). [Bringing together writing tool design, writing analytics and writing pedagogy](#). *Workshop at the Tenth International Conference on Learning Analytics & Knowledge LAK'20.* [video recording]
- **Antonette Shibani**, Ming Liu & Simon Buckingham Shum (2020, November). Invited speaker for the [LALN](#) webinar series. [An Introduction to Writing Analytics and the Design of Automated Feedback](#). [[Learning Analytics Learning Network event](#)][[video recording](#)]
- **Antonette Shibani** (2021). Invited Guest Lecture on 'Writing Analytics' at the '[Learning Analytics and Digital Learning](#)' course, University of South Australia.
- *Andrew Gibson & **Antonette Shibani** (2022) [Natural Language Processing - Writing Analytics](#). Invited Chapter at the [Handbook of Learning Analytics Version 2](#). [[Download pdf](#)]
- **Antonette Shibani**, Andrew Gibson, Simon Knight, Philip H Winne, Diane Litman (2022). [Writing Analytics for higher-order thinking skills](#). *Workshop at The 12th International Learning Analytics & Knowledge Conference (LAK '22).*
- **Antonette Shibani**, Andrew Gibson (2022). **Introduction to Writing Analytics**. Invited tutorial at The Learning Analytics Summer Institute [LASI22](#).
- Andrew Gibson, **Antonette Shibani** (2022, **Writing Analytics Concerns and Capabilities Roundtable** at The Australian Learning Analytics Summer Institute ([ALASI22](#)))
- Otto Kruse, Christian Rapp, Chris Anson, Kalliopi Benetos, Elena Cotos & **Antonette Shibani** (2023). [Digital Writing Technologies - Impact on Theory, Research, and Practice in Higher Education](#). Springer Cham (Open Access). Co-edited Book.
- Christian Rapp, Otto Kruse, Chris Anson, Kalliopi Benetos, Elena Cotos, Ann Devitt & **Antonette Shibani** (2023) Forty years of digital writing: What has changed – where do we stand – what comes next? Roundtable at the Writing Research Across Borders conference ([WRAB 2023](#)).

2016 – 2020: Tools, Technologies, and Open Data

- Elizabeth Koh, Yi-Huan Tee, **Antonette Shibani**, Kian Leng Tay, Jennifer Pei-Ling Tan, Helen Hong, Munir Hussin and Hwee Leng Chan (2016). [Designing a web tool to support teamwork awareness and reflection: Evaluation of two trial cycles](#). In [Proceedings of 24th International Conference on Computers in Education \(ICCE 2016\)](#), 1, 139-144. India.
- **Antonette Shibani** (2018). [AWA-Tutor: A Platform to Ground Automated Writing Feedback in Robust Learning Design \(Demo\)](#). In *Companion Proceedings of the Eighth*

International Conference on Learning Analytics & Knowledge (LAK '18), Sydney, Australia.

- **Antonette Shibani**, Simon Knight and Simon Buckingham Shum (2018). [Understanding Revisions in Student Writing through Revision Graphs](#). Poster presented at the 19th International Conference on Artificial Intelligence in Education (AIED'18).
- *Simon Knight, **Antonette Shibani**, Sophie Abel, Andrew Gibson, Philippa Ryan, Nicole Sutton, Raechel Wight, Cherie Lucas, Ágnes Sándor, Kirsty Kitto, Ming Liu, Radhika Vijay Mogarkar & Simon Buckingham Shum (2020). [AcaWriter: A learning analytics tool for formative feedback on academic writing](#). *Journal of Writing Research*.
- Simon Knight, Sophie Abel, **Antonette Shibani**, Yoong Kuan Goh, Rianne Conijn, Andrew Gibson, Sowmya Vajjala, Elena Cotos, Ágnes Sándor, Simon Buckingham Shum (2020). [Are you being rhetorical? An open corpus of machine annotated rhetorical moves](#). *Journal of Learning Analytics*, 7(3), 138-154. [[open access](#)]
- *Roberto Martinez-Maldonado, Vanessa Echeverria, Jurgen Schulte, **Antonette Shibani**, Katerina Mangaroska, Simon Buckingham Shum (2020) [Moodoo: Indoor Positioning Analytics for Characterising Classroom Teaching \[BEST PAPER AWARD\]](#). In: I. Bittencourt, M. Cukurova, K. Muldner, R. Luckin, & E. Millán (Eds.) *Artificial intelligence in Education - AIED 2020*. LNCS: Vol. 12163 (pp. 360-373). Springer. doi: [10.1007/978-3-030-52237-7_29](#). **Related media articles:** [Technology Decisions](#), [Architecture and Design](#), [Education Matters](#), [Education Today](#)
- **Antonette Shibani** (2020) [Constructing Automated Revision Graphs: A Novel Visualization Technique to Study Student Writing](#). In: I. Bittencourt, M. Cukurova, K. Muldner, R. Luckin, & E. Millán (Eds.), *Artificial intelligence in Education - AIED 2020*. LNCS: Vol. 12163 (pp. 285-290). Springer. doi: [10.1007/978-3-030-52240-7_52](#) [[pdf](#)][[blog post](#)] [[video recording](#)]
- Wanli Xing, Hee-Sun Lee and **Antonette Shibani** (2020). [Identifying patterns in students' scientific argumentation: content analysis through text mining using Latent Dirichlet Allocation](#). *Educational Technology Research and Development*. <https://doi.org/10.1007/s11423-020-09761-w>. [[PDF](#)]

2019 – Ongoing: LA Practice, Impact, and Ethics

- Simon Buckingham Shum and **Antonette Shibani** (2019, November). [Learning Analytics Growing Pains – Sociotechnical Infrastructure Changes as LA Tools Mature](#). Workshop at the Australian Learning Analytics Summer Institute ALASI 2019, University of Wollongong, Australia.
- 2019 SoLAR Spotlight podcast: [Podcast episode: Giving a voice to stakeholders in Learning Analytics design](#) - Host of the SoLAR Spotlight podcast
- **Antonette Shibani**, Simon Knight and Simon Buckingham Shum (2020). [Educator Perspectives on Learning Analytics in Classroom Practice](#). *The Internet and Higher Education*. <https://doi.org/10.1016/j.iheduc.2020.100730>.
- *Simon Knight, Andrew Gibson and **Antonette Shibani** (2020). [Implementing Learning Analytics for Learning Impact: Taking Tools to Task](#). *The Internet and Higher Education*. <https://doi.org/10.1016/j.iheduc.2020.100729>.

- 2020 SoLAR Spotlight podcast: [Podcast episode: Privacy and Ethics in Learning Analytics](#) - Host of the SoLAR Spotlight podcast
- Simon Buckingham Shum & **Antonette Shibani** (Sep 2020-Jan 2021) [24/7 Instant Feedback on Writing: integrating AcaWriter into your teaching](#). LX Lab monthly workshop for academics. University of Technology Sydney.
- 2021 SoLAR Spotlight Podcast episode: [Learning Analytics Practitioners and Practice](#) - Host of the SoLAR Spotlight podcast
- Yi-Shan Tsai, Melanie Pepper, **Antonette Shibani**, Isabel Hilliger, Bodong Chen, Yizhou Fan, Rogers Kaliisa, Nia Dowell and Simon Knight (2022). [Writing for Publication: Engaging Your Audience](#). Workshop at *The 12th International Learning Analytics & Knowledge Conference* (LAK '22).
- **Antonette Shibani** (2022). A transdisciplinary lens on the ethical use of artificial intelligence. Invited Talk at The Fifteenth Workshop on the Social Implications of National Security ([SINS22](#)) at the International Symposium On Technology And Society 2022 ([ISTAS22](#)).
- Simon Knight, **Antonette Shibani** & Simon Buckingham Shum (2023) A [Reflective Design Case of Practical Micro-Ethics in Learning Analytics](#). *British Journal of Educational Technology*. doi: [10.1111/bjet.13323](#).
- Simon Knight, **Antonette Shibani**, and Nicole Vincent (2024). [Ethical AI governance: mapping a research ecosystem](#). *AI and Ethics* (2024): 1-22. [[PDF](#)].

2022 – Ongoing: Critical Engagement, Generative AI, and Inclusive AI

- ***Antonette Shibani**, Simon Knight and Simon Buckingham Shum (2022). Questioning learning analytics? [Cultivating critical engagement as student automated feedback literacy](#). [**BEST RESEARCH PAPER NOMINEE**] *The 12th International Learning Analytics & Knowledge Conference* (LAK '22). [[Author accepted version pdf](#)]
- Simon Buckingham Shum, Baki Kocaballi, **Antonette Shibani** (2023, Feb). Framing generative AI as EdTech. UTS LX lab talk ([Slides](#), [video recording](#))
- **Antonette Shibani**, Ratnavel Rajalakshmi, Srivarshan Selvaraj, Faerie Mattins, Simon Knight (2023). [Visual representation of co-authorship with GPT-3: Studying human-machine interaction for effective writing](#). In M. Feng, T. K"aser, and P. Talukdar, editors, *Proceedings of the 16th International Conference on Educational Data Mining*, pages 183–193, Bengaluru, India, July 2023. International Educational Data Mining Society [[PDF](#)] [[Blog post](#)]
- 2023, December. SoLAR Spotlight Podcast episode: [Learning Analytics and AI: Opportunities & Challenges](#) - Host of the SoLAR Spotlight podcast
- **Antonette Shibani**, Faerie Mattins, Srivarshan Selvaraj, Ratnavel Rajalakshmi, Gnana Bharathy (2024). [Tamil Co-Writer: Towards inclusive use of generative AI for writing support](#). In the First International Workshop on Generative AI for Learning Analytics (GenAI-LA). *14th International Conference on Learning Analytics & Knowledge* (LAK24), Mar 18-22, Kyoto, Japan (Joint CEUR Proceedings of LAK 2024 Workshops). [[Blog post](#)]
- **Antonette Shibani**, Simon Knight, Kirsty Kitto, Ajanie Karunanayake, Simon Buckingham Shum (Forthcoming, Accepted for publication). Untangling Critical Interaction with AI in Students' Written Assessment. Extended Abstracts of the *CHI*

*Conference on Human Factors in Computing Systems (CHI '24), May 11-16, 2024,
Honolulu, USA.*