SELECTED PUBLICATIONS

Mahon L. & Lapata M. (2024). A Modular Approach for Multimodal Summarization of TV Shows, *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (ACL)–Long Paper.*

Mahon L., Shah L. & Lukasiewicz T. (2024) Correcting Flaws in Common Disentanglement Metrics, *Transactions on Machine Learning Research (TMLR).*

Mahon L. & Lukasiewicz T. (2024). Hard Regularization to Prevent Collapse in Online Deep Clustering without Data Augmentation, *Association for the Advancement of Artificial Intelligence*.

Meo C., **Mahon L.** Goyal A & Dauwels J. (2024) α-TCVAE: On the Connection between Disentanglement and Diversity, *International Conference on Learning Representations*.

Mahon L.. Towards a Universal Method for Meaningful Signal Detection (2024). *4th International Workshop on Vocal Interactivity in-and-between Humans, Animals and Robots* (VIHAR), *Interspeech Satellite*.

Mahon L., Abend O., Berger U., Demuth K., Johnson M., Steedman M (2024). A Language Agnostic Model of Child Language Acquisition. *Computer, Speech and Language.*

Mahon L. & Lukasiewicz T. (2023). Minimum Description Length Clustering to Measure Meaningful Image Complexity, *Pattern Recognition.*

Mahon L. & Lukasiewicz T. (2021). Selective Pseudo-label Clustering. *German Conference on Artificial Intelligence (Künstliche Intelligenz) Springer, Cham.*

Mahon L., Giunchiglia E., Li B., Lukasiewicz L. (2020). Knowledge Graph Extraction from Videos, *International Conference on Machine Learning and Applications.*

UNDER REVIEW

Mahon L., Johnson M., Steedman M. Modelling Learning of Long-range Syntactic Dependencies.
Mahon L., Lapata M, Semantic Video Segmentation for Long-form Summarization.
Mahon L. Local Compositional Complexity: How to Detect a Human-readable Messsage
Mahon L. The Theorem of Babel: A Puzzle Concerning Shared Understanding Through Language

IN PROGRESS

Mahon L., Lapata M. A Parameter-free Algorithm for Optimal Temporal Segmentation of Videos and Text
Mahon L., et al. Detecting Overlapping Animal Vocalisations.

EDUCATION
2019-2022, DPhil (PhD) in Computer Science, University of Oxford

2018-2019 MSc in Computer Science, University of Oxford (dist.)
2016-2017 MPhil Speech and Language Processing, Trinity College Dublin (dist.)
2016, B.A. Maths and Philosophy, Trinity College Dublin (first-class honours)
2014 B.A. Maths and Philosophy, Trinity College Dublin, Foundation Scholarship

WORK EXPERIENCE
2017-2018, Language Technologist, Oxford University Press (OUP)
>industry role in the Oxford Dictionaries department, developed a machine learning tool to link data from different online dictionaries

TEACHING EXPERIENCE
2022, Royal Institution Masterclass Demonstrator, Oxford Department of Computer Science

2020, Advanced ML and AI Lab Demonstrator, Oxford Department of Computer Science

2020, ML and AI Teaching Assistant, Oxford Department of Computer Science

2019, Royal Institution Masterclass Assistant, Oxford Department of Computer Science

OTHER EXPERIENCE
2023-pres., Editorial Board member: *Transactions on Graphs, Data and Knowledge*
>(new journal led by A. Hogan, I. Horrocks, A. Hotho and L. Kagal)

2021-2022, MSc Supervision
>supervised to distinction in her thesis, now collaborating on further research

2021-2022, Good Data Institute Fellow
>a team-leader role for a small team of pro bono data scientists to assist an educational charity in Tamil Nadu, we analysed survey data to assess the impact of their Children's Learning Centres

2019-2021 College Environment Officer, Linacre College
>ran nature and conservation-based events, including an academic seminar series

2020, Oxford Artificial Intelligence Society, OxAI Labs
>deep learning for wildfire detection and forecasting