Desmond **Ong**

✉ desmond.c.ong@gmail.com

Publications

Journal Articles

1. Genzer, S., Ong, D. C., Zaki, J., & Perry, A. (2022). Mu rhythm suppression over sensorimotor regions is associated with greater empathic accuracy. *Social Cognitive and Affective Neuroscience*, *17*(9), 788–801. `https://doi.org/10.1093/scan/nsac011`

2. Chen, P., Teo, D. W. H., Foo, D. X. Y., Derry, H. A., Hayward, B. T., Schulz, K. W., Hayward, C., McKay, T. A., & Ong, D. C. (2022). Real-world effectiveness of a social-psychological intervention translated from controlled trials to classrooms. *Npj Science of Learning*, *7*(1). `https://doi.org/10.1038/s41539-022-00135-w`

3. Goldenberg, A., Schöne, J., Huang, Z., Sweeny, T. D., Ong, D. C., Brady, T. F., Robinson, M. M., Levari, D., Zaki, J., & Gross, J. J. (2022). Amplification in the evaluation of multiple emotional expressions over time. *Nature Human Behaviour*, *6*(10), 1408–1416. `https://doi.org/10.1038/s41562-022-01390-y`

4. Weisz, E., Chen, P., Ong, D. C., Carlson, R. W., Clark, M. D., & Zaki, J. (2022). A brief intervention to motivate empathy among middle school students. *Journal of Experimental Psychology: General*, *151*(12), 3144–3153. `https://doi.org/10.1037/xge0001249`

5. Jospe, K., Genzer, S., Mansano, L., Ong, D., Zaki, J., Soroker, N., & Perry, A. (2022). Impaired empathic accuracy following damage to the left hemisphere. *Biological Psychology*, *172*, 108380. `https://doi.org/10.1016/j.biopsycho.2022.108380`

6. Weisz, E., Ong, D. C., Carlson, R. W., & Zaki, J. (2021). Building empathy through motivation-based interventions. *Emotion*, *21*(5), 990–999. `https://doi.org/10.1037/emo0000929`

7. Nguyen, T.-S., Wu, Z., & Ong, D. C. (2021). Attention uncovers task-relevant semantics in emotional narrative understanding. *Knowledge-Based Systems*, *226*, 107162. `https://doi.org/10.1016/j.knosys.2021.107162`

8. Ong, D. C., Wu, Z., Zhi-Xuan, T., Reddan, M., Kahhale, I., Mattek, A., & Zaki, J. (2021). Modeling emotion in complex stories: The stanford emotional narratives dataset. *IEEE Transactions on Affective Computing*, *12*(3), 579–594. `https://doi.org/10.1109/taffc.2019.2955949`

9. Ong, D. C., Soh, H., Zaki, J., & Goodman, N. D. (2021). Applying probabilistic programming to affective computing. *IEEE Transactions on Affective Computing*, *12*(2), 306–317. `https://doi.org/10.1109/taffc.2019.2905211`

10. Chen, P., Ong, D. C., Ng, J. C., & Coppola, B. P. (2021). Explore, exploit, and prune in the classroom: Strategic resource management behaviors predict performance. *AERA Open*, *7*, 233285842098618. `https://doi.org/10.1177/2332858420986180`

11. Jospe, K., Genzer, S., Selle, N. klein, Ong, D., Zaki, J., & Perry, A. (2020). The contribution of linguistic and visual cues to physiological synchrony and empathic accuracy. *Cortex*, *132*, 296–308. `https://doi.org/10.1016/j.cortex.2020.09.001`

Preprints

Books

Book Chapters

Professional Presentations

Conference Abstracts

Using Positive Matching Contrastive Loss with Facial Action Units to mitigate bias in Facial Expression Recognition

2022 10th International Conference on Affective Computing and Intelligent Interaction (ACII) *2022*

Using Knowledge-Embedded Attention to Augment Pre-trained Language Models for Fine-Grained Emotion Recognition

2021 9th International Conference on Affective Computing and Intelligent Interaction (ACII) *2021*

Using Knowledge-Embedded Attention to Augment Pre-trained Language Models for Fine-Grained Emotion Recognition

2021 9th International Conference on Affective Computing and Intelligent Interaction, ACII 2021 *2021*

An Ethical Framework for Guiding the Development of Affectively-Aware Artificial Intelligence

2021 9TH INTERNATIONAL CONFERENCE ON AFFECTIVE COMPUTING AND INTELLIGENT INTERACTION, ACII 2021   *2021*

Context-guided BERT for targeted aspect-based sentiment analysis

PROCEEDINGS OF THE AAAI CONFERENCE ON ARTIFICIAL INTELLIGENCE   *2021*

Context-Guided BERT for Targeted Aspect-Based Sentiment Analysis

35TH AAAI CONFERENCE ON ARTIFICIAL INTELLIGENCE, AAAI 2021   *2021*

Human-AI collaboration in healthcare: A review and research agenda

PROCEEDINGS OF THE ANNUAL HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES   *2021*

Not All Negatives are Equal: Label-Aware Contrastive Loss for Fine-grained Text Classification

EMNLP 2021 - 2021 CONFERENCE ON EMPIRICAL METHODS IN NATURAL LANGUAGE PROCESSING, PROCEEDINGS   *2021*

Pragmatically Informative Color Generation by Grounding Contextual Modifiers

PROCEEDINGS OF THE SOCIETY FOR COMPUTATION IN LINGUISTICS   *2021*

ReaSCAN: Compositional Reasoning in Language Grounding

PROCEEDINGS OF THE NEURAL INFORMATION PROCESSING SYSTEMS TRACK ON DATASETS AND BENCHMARKS 1 (NEURIPS DATASETS AND BENCHMARKS 2021)   *2021*

Factorized inference in deep markov models for incomplete multimodal time series

AAAI 2020 - 34TH AAAI CONFERENCE ON ARTIFICIAL INTELLIGENCE   *2020*

Honors

Funding

Service

Mentoring and Teaching

MENTORING

TEACHING