PEER REVIEWED PUBLICATIONS

Journal Articles

[J02]   Yalçın, Ö. N. (2020). Empathy Framework for Embodied Conversational Agents. *Cognitive Systems Research*. https://doi.org/10.1016/j.cogsys.2019.09.016

[J01]   Yalçın, Ö. N. & DiPaola, S. (2019). Modeling empathy: building a link between affective and   cognitive processes. Artificial Intelligence Review. pp 1–24. Springer. doi: 10.1007/s10462-019-09753-0

Conference Proceedings

[C09]   Yalçın, Ö. N., Abukhodair, N. & DiPaola, S. (in press). "Empathic AI Painter A Computational Creativity System with Embodied Conversational Interaction". In Proceedings of 33rd Conference on Neural Information Processing Systems (NeurIPS).

[C08]   Yalçın, Ö. N. (2019). "Evaluating Empathy in Artificial Agents". 8th International Conference on Affective Computing and Intelligent Interaction (ACII), Cambridge, United Kingdom, 2019, pp. 1-7. doi: 10.1109/ACII.2019.8925498

[C07]   Yalçın, Ö. N. & DiPaola, S. (2019). "M-Path: A Conversational System for the Empathic Virtual Agent." Biologically Inspired Cognitive Architectures 2019. Advances in Intelligent Systems and Computing., Vol. 948, pp. 597-607. Cham, Switzerland: Springer.
BICA Society Outstanding Research Award

[C06]   Yalçın, Ö. N. & DiPaola, S. (2019). "Levels of Emotional Contagion in an Embodied Conversational Agent." Proceedings of the 41st Annual Meeting of the Cognitive Science Society, pp. 3143-3149.

[C05]   Yalçın, Ö. N. (2018) Modeling Empathy in Embodied Conversational Agents. Proceedings of the 2018 on International Conference on Multimodal Interaction. ACM, New York, NY, USA.

[C04]   Yalçın, Ö. N. & DiPaola, S. (2018). A Computational Model of Empathy for Interactive Agents, Biologically Inspired Cognitive Architectures, ISSN 2212-683X, https://doi.org/10.1016/j.bica.2018.07.010. ***BICA Society Outstanding Research Award***

[C03]   Salevati, S., Yalçın, Ö. N. & DiPaola, S. (2017). Engagement with AI through interactive communication models. Proc: Electronic Visualisation and the Arts, British Computer Society, 8 pages, London, 2017.

[C02]   Kadir, A., Yalçın, Ö. N., Hennesy, K. & DiPaola, S. (2017). Virtual Transcendence: An Interactive Immersive Media Installation of Sufi Dhikr Ritual. Proc: Electronic Visualisation and the Arts, British Computer Society, 8 pages, London, 2017.
Best Paper Award

[C01]   Acartürk, C., Yalçın, Ö. N. (2015). Reading in agglutinating languages: the role of morphology on eye movements. In Ansorge, U., Ditye, T., Florack, A., & Leder, H. (Eds.), Abstracts of the 18th European Conference on Eye Movements, 2015, Vienna. Journal of Eye Movement Research, 8(4):1, 198.

Poster Presentations

[P05]   Nag, P. & Yalçın, Ö. N. (2019) Effect of Gender on Interaction with Embodied Conversational Agents. Women in Machine Learning Workshop. NeuroIPS 2019, Vancouver, Canada.

[P04]   Yalçın, Ö. N. & DiPaola, S. (2019) Modeling Empathy in Embodied Conversational Agents: Evaluating Levels of Emotional Contagion. COGSCI 2019. Montreal, Canada.

[P03]   Yalçın, Ö. N. (2018) Modeling Empathy in Embodied Conversational Agents. ICMI 2018. Boulder, CO, USA.

[P02]   Yalçın, Ö. N. & DiPaola, S. (2017). Virtual AI character agent for Adults with Mental Health Issues. Poster Presented in 3rd Annual Innovations in Psychiatry and Behavioral Health: Virtual Reality and Behavior Change OCT 6 - OCT 7 2017; San Francisco, CA, USA.

[P01]   Ö. N. Yalcin, "Modeling and Predicting the Effect of Culture in Communication: A Mixed Study Using Naming Game and Social Networks", Poster presented at the 2nd International Symposium on Brain and Cognitive Science held on April 2015 in Ankara, Turkey.

WORKSHOPS

[W01]   Ö. N. Yalcin (2020). How to train your embodied conversational agent. Workshop in collaboration with SFU Computing Science Robotics Group. Burnaby, Canada.

DEMONSTRATIONS

[D03]   Yalçın, Ö. N., Abukhodair N. & DiPaola, S. (2019). Empathy based Affective Portrait Painter. Demonstration at NeurIPS 2019 Vancouver, Canada.

[D02]   Yalçın, Ö. N. & DiPaola, S. (2019). A multi-layer artificial intelligence and sensing based affective conversational embodied agent. Demonstration at ACII 2019 Conference, Cambridge, UK.

[D01]   Yalçın, Ö. N. & DiPaola, S. (2017). Virtual AI character agent for Adults with Mental Health Issues. Poster and Demo presented at 3rd Annual Innovations in Psychiatry and Behavioral Health: Virtual Reality and Behavior Change, Stanford, CA.

TALKS

[T08]   Yalçın, Ö. N. Building Affective Embodied Conversational Agents. The Vancouver Open Source Software Event 2019. Microsoft Garage, Vancouver, Canada.

[T07]   Yalçın, Ö. N. Evaluating Empathy in Artificial Agents. 8th International Conference on Affective Computing & Intelligent Interaction (ACII 2019). Cambridge, UK.

[T06]   Yalçın, Ö. N. Modeling Empathy in Embodied Conversational Agents. Biologically Inspired Cognitive Architectures Conference (BICA 2019). Seattle, USA.

[T05]   Yalçın, Ö. N. Modeling Empathy in Embodied Conversational Agents. Doctoral Consortium

Presentation. ICMI 2018. Boulder, CO, USA.

[T04]   Samsanovich, A., Chernavskaya, O., DiPaola, S. & Yalçın, Ö. N., BICA 2018 Social Emotions Panel Talk. Prague, Czech Republic.

[T03]   Yalçın, Ö. N. A Computational Model of Empathy for Interactive Agents, Biologically Inspired Cognitive Architectures (BICA 2018). Prague, Czech Republic.

[T02]   Yalçın, Ö. N. Engagement with AI through interactive communication models. EVA London 2017. British Computer Society.

[T01]   Kadir, A. & Yalçın, Ö. N. Virtual Transcendance. EVA London 2017. British Computer Society