

PSYC0021: Affective Interaction

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Abdelrahman, Y. et al. (2017) 'Cognitive Heat', Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 1(3), pp. 1-20. Available at: <https://doi.org/10.1145/3130898>.

Andrew Ortony, Donald A. Norman, and William Revelle (2005) 'Affect and Proto-Affect in Effective Functioning', in J.-M. Fellous and M.A. Arbib (eds) Who Needs Emotions? Oxford University Press, pp. 173-202. Available at: <https://doi.org/10.1093/acprof:oso/9780195166194.003.0007>.

Aviezer, H., Trope, Y. and Todorov, A. (2012) 'Body Cues, Not Facial Expressions, Discriminate Between Intense Positive and Negative Emotions', Science, 338(6111), pp. 1225-1229. Available at: <https://doi.org/10.1126/science.1224313>.

Beale, R. and Creed, C. (2009) 'Affective interaction: How emotional agents affect users', International Journal of Human-Computer Studies, 67(9), pp. 755-776. Available at: <https://doi.org/10.1016/j.ijhcs.2009.05.001>.

Bickmore, T.W. et al. (2010) 'Empathic Touch by Relational Agents', IEEE Transactions on Affective Computing, 1(1), pp. 60-71. Available at: <https://doi.org/10.1109/T-AFFC.2010.4>.

Bitbol, M. and Petitmengin, C. (2013) 'A Defense of Introspection from Within', 8(3), pp. 269-279. Available at: <http://constructivist.info/8/3/269.bitbol>.

Boehner, K. et al. (2007) 'How emotion is made and measured', International Journal of Human-Computer Studies, 65(4), pp. 275-291. Available at: <https://doi.org/10.1016/j.ijhcs.2006.11.016>.

Calvo, R.A. and Peters, D. (2014) Positive computing: technology for wellbeing and human potential. Cambridge, Massachusetts: MIT Press. Available at: <https://ieeexplore.ieee.org/book/6981846>.

Cerekovic, A., Aran, O. and Gatica-Perez, D. (2017) 'Rapport with Virtual Agents: What Do Human Social Cues and Personality Explain?', IEEE Transactions on Affective Computing, 8(3), pp. 382-395. Available at: <https://doi.org/10.1109/TAFFC.2016.2545650>.

Chandler, J. and Schwarz, N. (2009) 'How extending your middle finger affects your perception of others: Learned movements influence concept accessibility', Journal of Experimental Social Psychology, 45(1), pp. 123-128. Available at: <https://doi.org/10.1016/j.jesp.2008.06.012>.

Clore, G.L. and Palmer, J. (2009) 'Affective guidance of intelligent agents: How emotion controls cognition', *Cognitive Systems Research*, 10(1), pp. 21–30. Available at: <https://doi.org/10.1016/j.cogsys.2008.03.002>.

Clore, G.L., Schiller, A.J. and Shaked, A. (2018a) 'Affect and cognition: three principles', *Current Opinion in Behavioral Sciences*, 19, pp. 78–82. Available at: <https://doi.org/10.1016/j.cobeha.2017.11.010>.

Clore, G.L., Schiller, A.J. and Shaked, A. (2018b) 'Affect and cognition: three principles', *Current Opinion in Behavioral Sciences*, 19, pp. 78–82. Available at: <https://doi.org/10.1016/j.cobeha.2017.11.010>.

Coeckelbergh, M. (2012) 'Are Emotional Robots Deceptive?', *IEEE Transactions on Affective Computing*, 3(4), pp. 388–393. Available at: <https://doi.org/10.1109/T-AFFC.2011.29>.

Critchley, H.D. and Garfinkel, S.N. (2018) 'The influence of physiological signals on cognition', *Current Opinion in Behavioral Sciences*, 19, pp. 13–18. Available at: <https://doi.org/10.1016/j.cobeha.2017.08.014>.

D' Mello, S.K. (2016) 'On the Influence of an Iterative Affect Annotation Approach on Inter-Observer and Self-Observer Reliability', *IEEE Transactions on Affective Computing*, 7(2), pp. 136–149. Available at: <https://doi.org/10.1109/TAFFC.2015.2457413>.

DMello, S.K., Dowell, N. and Graesser, A. (2013) 'Unimodal and Multimodal Human Perception of Naturalistic Non-Basic Affective States during Human-Computer Interactions', *IEEE Transactions on Affective Computing*, 4(4), pp. 452–465. Available at: <https://doi.org/10.1109/T-AFFC.2013.19>.

Ekman, P. (2016) 'What Scientists Who Study Emotion Agree About', *Perspectives on Psychological Science*, 11(1), pp. 31–34. Available at: <https://doi.org/10.1177/1745691615596992>.

Elkharraz, G. et al. (2014) 'Making Tactile Textures with Predefined Affective Properties', *IEEE Transactions on Affective Computing*, 5(1), pp. 57–70. Available at: <https://doi.org/10.1109/T-AFFC.2013.21>.

Fanselow, M.S. (2018) 'Emotion, motivation and function', *Current Opinion in Behavioral Sciences*, 19, pp. 105–109. Available at: <https://doi.org/10.1016/j.cobeha.2017.12.013>.

Forgas, J.P. (2017) 'Mood Effects on Cognition: Affective Influences on the Content and Process of Information Processing and Behavior', in *Emotions and Affect in Human Factors and Human-Computer Interaction*. Elsevier, pp. 89–122. Available at: <https://doi.org/10.1016/B978-0-12-801851-4.00003-3>.

Gallace, A. and Spence, C. (2010) 'The science of interpersonal touch: An overview', *Neuroscience & Biobehavioral Reviews*, 34(2), pp. 246–259. Available at: <https://doi.org/10.1016/j.neubiorev.2008.10.004>.

Gao, Y., Bianchi-Berthouze, N. and Meng, H. (2012) 'What Does Touch Tell Us about Emotions in Touchscreen-Based Gameplay?', *ACM Transactions on Computer-Human Interaction*, 19(4), pp. 1–30. Available at: <https://doi.org/10.1145/2395131.2395138>.

Gratch, J. and Marsella, S. (2004) 'A domain-independent framework for modeling emotion', *Cognitive Systems Research*, 5(4), pp. 269–306. Available at: <https://doi.org/10.1016/j.cogsys.2004.02.002>.

Gruebler, A. and Suzuki, K. (2014) 'Design of a Wearable Device for Reading Positive Expressions from Facial EMG Signals', *IEEE Transactions on Affective Computing*, 5(3), pp. 227–237. Available at: <https://doi.org/10.1109/TAFFC.2014.2313557>.

Hamacher, A. et al. (2016) 'Believing in BERT: Using expressive communication to enhance trust and counteract operational error in physical Human-robot interaction', in 2016 25th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN). IEEE, pp. 493–500. Available at: <https://doi.org/10.1109/ROMAN.2016.7745163>.

Harmon-Jones, C., Bastian, B. and Harmon-Jones, E. (2016) 'The Discrete Emotions Questionnaire: A New Tool for Measuring State Self-Reported Emotions', *PLOS ONE*, 11(8). Available at: <https://doi.org/10.1371/journal.pone.0159915>.

Hertenstein, M.J. et al. (2009) 'The communication of emotion via touch.', *Emotion*, 9(4), pp. 566–573. Available at: <http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=00130470-200908000-00017&LSLINK=80&D=ovft>.

Hirano, T. et al. (2018) 'How Do Communication Cues Change Impressions of Human-Robot Touch Interaction?', *International Journal of Social Robotics*, 10(1), pp. 21–31. Available at: <https://doi.org/10.1007/s12369-017-0425-8>.

Hudlicka, E. (2003) 'To feel or not to feel: The role of affect in human-computer interaction', *International Journal of Human-Computer Studies*, 59(1–2), pp. 1–32. Available at: [https://doi.org/10.1016/S1071-5819\(03\)00047-8](https://doi.org/10.1016/S1071-5819(03)00047-8).

Hudlicka, E. (2017) 'Computational Modeling of Cognition–Emotion Interactions: Theoretical and Practical Relevance for Behavioral Healthcare', in *Emotions and Affect in Human Factors and Human-Computer Interaction*. Elsevier, pp. 383–436. Available at: <https://doi.org/10.1016/B978-0-12-801851-4.00016-1>.

Huisman, G. et al. (2013) 'The TaSSt: Tactile sleeve for social touch', in 2013 World Haptics Conference (WHC). IEEE, pp. 211–216. Available at: <https://doi.org/10.1109/WHC.2013.6548410>.

Hutson, S. et al. (2011) 'Investigating the Suitability of Social Robots for the Wellbeing of the Elderly', in S. D'Mello et al. (eds) *Affective Computing and Intelligent Interaction*. Berlin, Heidelberg: Springer Berlin Heidelberg, pp. 578–587. Available at: https://doi.org/10.1007/978-3-642-24600-5_61.

Isbister, K. et al. (2007) 'The sensual evaluation instrument: Developing a trans-cultural self-report measure of affect', *International Journal of Human-Computer Studies*, 65(4), pp. 315–328. Available at: <https://doi.org/10.1016/j.ijhcs.2006.11.017>.

Janssen, J.H. et al. (2010) 'Intimate Heartbeats: Opportunities for Affective Communication Technology', *IEEE Transactions on Affective Computing*, 1(2), pp. 72–80. Available at: <https://doi.org/10.1109/T-AFFC.2010.13>.

Jeon, M. (2017) 'Emotions in Driving', in Emotions and Affect in Human Factors and Human-Computer Interaction. Elsevier, pp. 437–474. Available at: <https://doi.org/10.1016/B978-0-12-801851-4.00017-3>.

Jordan, P.W. (1998) 'Human factors for pleasure in product use', Applied Ergonomics, 29(1), pp. 25–33. Available at: [https://doi.org/10.1016/S0003-6870\(97\)00022-7](https://doi.org/10.1016/S0003-6870(97)00022-7).

Jordan, P.W. (2000) Designing pleasurable products: an introduction to the new human factors. Boca Raton, FL: Taylor & Francis.

Kamide, H. and Arai, T. (2017) 'Perceived Comfortableness of Anthropomorphized Robots in U.S. and Japan', International Journal of Social Robotics, 9(4), pp. 537–543. Available at: <https://doi.org/10.1007/s12369-017-0409-8>.

Kleinsmith, A. and Bianchi-Berthouze, N. (2013) 'Affective Body Expression Perception and Recognition: A Survey', IEEE Transactions on Affective Computing, 4(1), pp. 15–33. Available at: <https://doi.org/10.1109/T-AFFC.2012.16>.

Kroupi, E., Vesin, J.-M. and Ebrahimi, T. (2016) 'Subject-Independent Odor Pleasantness Classification Using Brain and Peripheral Signals', IEEE Transactions on Affective Computing, 7(4), pp. 422–434. Available at: <https://doi.org/10.1109/TAFFC.2015.2496310>.

Kusserow, M., Amft, O. and Troster, G. (2013) 'Modeling arousal phases in daily living using wearable sensors', IEEE Transactions on Affective Computing, 4(1), pp. 93–105. Available at: <https://doi.org/10.1109/T-AFFC.2012.37>.

Küster, D. and Kappas, A. (2017) 'Measuring Emotions Online: Expression and Physiology', in J.A. Holyst (ed.) Cyberemotions. Cham: Springer International Publishing, pp. 71–93. Available at: https://doi.org/10.1007/978-3-319-43639-5_5.

Liu, K. et al. (2016) 'Two Techniques for Assessing Virtual Agent Personality', IEEE Transactions on Affective Computing, 7(1), pp. 94–105. Available at: <https://doi.org/10.1109/TAFFC.2015.2435780>.

Marc, Hassenzahl, Andrew Monk (2010) 'The Inference of Perceived Usability From Beauty', Human-Computer Interaction, 25(3), pp. 235–260. Available at: <http://www.tandfonline.com/doi/abs/10.1080/07370024.2010.500139>.

Marsella, S.C. and Gratch, J. (2009) 'EMA: A process model of appraisal dynamics', Cognitive Systems Research, 10(1), pp. 70–90. Available at: <https://doi.org/10.1016/j.cogsys.2008.03.005>.

Mauss, I.B. and Robinson, M.D. (2009) 'Measures of emotion: A review', Cognition & Emotion, 23(2), pp. 209–237. Available at: <https://doi.org/10.1080/02699930802204677>.

McCarthy, J., J. and Wright, P. (no date) Technology as Experience. Available at: <https://ieeexplore.ieee.org/book/6267305>.

Nardelli, M. et al. (2015) 'Recognizing Emotions Induced by Affective Sounds through Heart Rate Variability', IEEE Transactions on Affective Computing, 6(4), pp. 385–394. Available at: <https://doi.org/10.1109/TAFFC.2015.2432810>.

Norman, D. (2004) 'Introduction to This Special Section on Beauty, Goodness, and Usability', *Human-Computer Interaction*, 19(4), pp. 311–318. Available at: https://doi.org/10.1207/s15327051hci1904_1.

Obrist, M., Seah, S.A. and Subramanian, S. (2013) 'Talking about tactile experiences', in Proceedings of the SIGCHI Conference on Human Factors in Computing Systems - CHI '13. ACM Press, pp. 1659–1668. Available at: <https://doi.org/10.1145/2470654.2466220>.

Pessoa, L. (no date) 'Do Intelligent Robots Need Emotion?', *Trends in Cognitive Sciences*, 21(11), pp. 817–819. Available at: <https://doi.org/10.1016/j.tics.2017.06.010>.

Petitmengin, C. (2006) 'Describing one's subjective experience in the second person: An interview method for the science of consciousness', *Phenomenology and the Cognitive Sciences*, 5(3–4), pp. 229–269. Available at: <https://doi.org/10.1007/s11097-006-9022-2>.

Petitmengin, C. and Lachaux, J.-P. (27AD) 'Microcognitive science: bridging experiential and neuronal microdynamics', *Frontiers in Human Neuroscience*, 7. Available at: <https://doi.org/10.3389/fnhum.2013.00617>.

Petreca, B., Baurley, S. and Bianchi-Berthouze, N. (2015) 'How do designers feel textiles?', in 2015 International Conference on Affective Computing and Intelligent Interaction (ACII). IEEE, pp. 982–987. Available at: <https://doi.org/10.1109/ACII.2015.7344695>.

Politou, E., Alepis, E. and Patsakis, C. (2017) 'A survey on mobile affective computing', *Computer Science Review*, 25, pp. 79–100. Available at: <https://doi.org/10.1016/j.cosrev.2017.07.002>.

Poppa, T. and Bechara, A. (2018) 'The somatic marker hypothesis: revisiting the role of the "body-loop" in decision-making', *Current Opinion in Behavioral Sciences*, 19, pp. 61–66. Available at: <https://doi.org/10.1016/j.cobeha.2017.10.007>.

Rosenthal-von der Pütten, A.M. and Krämer, N.C. (2015) 'Individuals' Evaluations of and Attitudes Towards Potentially Uncanny Robots', *International Journal of Social Robotics*, 7(5), pp. 799–824. Available at: <https://doi.org/10.1007/s12369-015-0321-z>.

Roy, R., Goatman, M. and Khangura, K. (2009) 'User-centric design and Kansei Engineering', *CIRP Journal of Manufacturing Science and Technology*, 1(3), pp. 172–178. Available at: <https://doi.org/10.1016/j.cirpj.2008.10.007>.

Russell, J.A. and Barrett, L.F. (1999) 'Core affect, prototypical emotional episodes, and other things called emotion: Dissecting the elephant.', *Journal of Personality and Social Psychology*, 76(5), pp. 805–819. Available at: <http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=00005205-199905000-00009&LSLINK=80&D=ovft>.

Sauter, D.A. (2017) 'The Nonverbal Communication of Positive Emotions: An Emotion Family Approach', *Emotion Review*, 9(3), pp. 222–234. Available at: <https://doi.org/10.1177/1754073916667236>.

Sefidgar, Y.S. et al. (2016) 'Design and Evaluation of a Touch-Centered Calming Interaction with a Social Robot', *IEEE Transactions on Affective Computing*, 7(2), pp. 108–121. Available at: <https://doi.org/10.1109/TAFFC.2015.2457893>.

Segalin, C. et al. (2017a) 'The Pictures We Like Are Our Image: Continuous Mapping of Favorite Pictures into Self-Assessed and Attributed Personality Traits', IEEE Transactions on Affective Computing, 8(2), pp. 268–285. Available at: <https://doi.org/10.1109/TAFFC.2016.2516994>.

Segalin, C. et al. (2017b) 'The Pictures We Like Are Our Image: Continuous Mapping of Favorite Pictures into Self-Assessed and Attributed Personality Traits', IEEE Transactions on Affective Computing, 8(2), pp. 268–285. Available at: <https://doi.org/10.1109/TAFFC.2016.2516994>.

Spadafora, M. et al. (2016) 'Designing the Behavior of Interactive Objects', in Proceedings of the TEI '16: Tenth International Conference on Tangible, Embedded, and Embodied Interaction - TEI '16. ACM Press, pp. 70–77. Available at: <https://doi.org/10.1145/2839462.2839502>.

Stanton, C.J. and Stevens, C.J. (2017) 'Don't Stare at Me: The Impact of a Humanoid Robot's Gaze upon Trust During a Cooperative Human–Robot Visual Task', International Journal of Social Robotics, 9(5), pp. 745–753. Available at: <https://doi.org/10.1007/s12369-017-0422-y>.

Tajadura-Jiménez, A. et al. (2015) 'As Light as your Footsteps', in Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems - CHI '15. ACM Press, pp. 2943–2952. Available at: <https://doi.org/10.1145/2702123.2702374>.

Tractinsky, N., Katz, A.S. and Ikar, D. (2000) 'What is beautiful is usable', Interacting with Computers, 13(2), pp. 127–145. Available at: [https://doi.org/10.1016/S0953-5438\(00\)00031-X](https://doi.org/10.1016/S0953-5438(00)00031-X).

Tuch, A. et al. (2011) 'The Role of Visual Complexity in Affective Reactions to Webpages: Subjective, Eye Movement, and Cardiovascular Responses', IEEE Transactions on Affective Computing, 2(4), pp. 230–236. Available at: <https://doi.org/10.1109/T-AFFC.2011.18>.

Turchet, L. and Bresin, R. (2015) 'Effects of Interactive Sonification on Emotionally Expressive Walking Styles', IEEE Transactions on Affective Computing, 6(2), pp. 152–164. Available at: <https://doi.org/10.1109/TAFFC.2015.2416724>.

Vinciarelli, A. et al. (2012) 'Bridging the Gap between Social Animal and Unsocial Machine: A Survey of Social Signal Processing', IEEE Transactions on Affective Computing, 3(1), pp. 69–87. Available at: <https://doi.org/10.1109/T-AFFC.2011.27>.

Vinciarelli, A. and Mohammadi, G. (2014) 'A Survey of Personality Computing', IEEE Transactions on Affective Computing, 5(3), pp. 273–291. Available at: <https://doi.org/10.1109/TAFFC.2014.2330816>.

Wac, K. and Tsioruti, C. (2014) 'Ambulatory Assessment of Affect: Survey of Sensor Systems for Monitoring of Autonomic Nervous Systems Activation in Emotion', IEEE Transactions on Affective Computing, 5(3), pp. 251–272. Available at: <https://doi.org/10.1109/TAFFC.2014.2332157>.

van der Zwaag, M.D., Janssen, J.H. and Westerink, J.H.D.M. (no date) 'Directing Physiology and Mood through Music: Validation of an Affective Music Player', IEEE Transactions on Affective Computing, 4(1), pp. 57–68. Available at: <https://doi.org/10.1109/T-AFFC.2012.28>.