

PSYC0021: Affective Interaction

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Abdelrahman, Yomna, et al. 'Cognitive Heat'. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, vol. 1, no. 3, Sept. 2017, pp. 1-20, <https://doi.org/10.1145/3130898>.

Andrew Ortony, et al. 'Affect and Proto-Affect in Effective Functioning'. Who Needs Emotions?, edited by Jean-Marc Fellous and Michael A. Arbib, Oxford University Press, 2005, pp. 173-202, <https://doi.org/10.1093/acprof:oso/9780195166194.003.0007>.

Aviezer, H., et al. 'Body Cues, Not Facial Expressions, Discriminate Between Intense Positive and Negative Emotions'. Science, vol. 338, no. 6111, Nov. 2012, pp. 1225-29, <https://doi.org/10.1126/science.1224313>.

Beale, Russell, and Chris Creed. 'Affective Interaction: How Emotional Agents Affect Users'. International Journal of Human-Computer Studies, vol. 67, no. 9, Sept. 2009, pp. 755-76, <https://doi.org/10.1016/j.ijhcs.2009.05.001>.

Bickmore, Timothy W., et al. 'Empathic Touch by Relational Agents'. IEEE Transactions on Affective Computing, vol. 1, no. 1, Jan. 2010, pp. 60-71, <https://doi.org/10.1109/T-AFFC.2010.4>.

Bitbol, Michel, and Claire Petitmengin. A Defense of Introspection from Within. vol. 8, no. 3, 2013, pp. 269-79, <http://constructivist.info/8/3/269.bitbol>.

Boehner, Kirsten, et al. 'How Emotion Is Made and Measured'. International Journal of Human-Computer Studies, vol. 65, no. 4, 2007, pp. 275-91, <https://doi.org/10.1016/j.ijhcs.2006.11.016>.

Calvo, Rafael A., and Dorian Peters. Positive Computing: Technology for Wellbeing and Human Potential. MIT Press, 2014, <https://ieeexplore.ieee.org/book/6981846>.

Cerekovic, Aleksandra, et al. 'Rapport with Virtual Agents: What Do Human Social Cues and Personality Explain?' IEEE Transactions on Affective Computing, vol. 8, no. 3, 2017, pp. 382-95, <https://doi.org/10.1109/T-AFFC.2016.2545650>.

Chandler, Jesse, and Norbert Schwarz. 'How Extending Your Middle Finger Affects Your Perception of Others: Learned Movements Influence Concept Accessibility'. Journal of Experimental Social Psychology, vol. 45, no. 1, Jan. 2009, pp. 123-28, <https://doi.org/10.1016/j.jesp.2008.06.012>.

Clore, Gerald L., et al. 'Affect and Cognition: Three Principles'. Current Opinion in Behavioral Sciences, vol. 19, Feb. 2018, pp. 78-82,

<https://doi.org/10.1016/j.cobeha.2017.11.010>.

———. 'Affect and Cognition: Three Principles'. *Current Opinion in Behavioral Sciences*, vol. 19, Feb. 2018, pp. 78–82, <https://doi.org/10.1016/j.cobeha.2017.11.010>.

Clore, Gerald L., and Janet Palmer. 'Affective Guidance of Intelligent Agents: How Emotion Controls Cognition'. *Cognitive Systems Research*, vol. 10, no. 1, 2009, pp. 21–30, <https://doi.org/10.1016/j.cogsys.2008.03.002>.

Coeckelbergh, Mark. 'Are Emotional Robots Deceptive?' *IEEE Transactions on Affective Computing*, vol. 3, no. 4, Winter 2012, pp. 388–93, <https://doi.org/10.1109/T-AFFC.2011.29>.

Critchley, Hugo D., and Sarah N. Garfinkel. 'The Influence of Physiological Signals on Cognition'. *Current Opinion in Behavioral Sciences*, vol. 19, Feb. 2018, pp. 13–18, <https://doi.org/10.1016/j.cobeha.2017.08.014>.

D' Mello, Sidney K. 'On the Influence of an Iterative Affect Annotation Approach on Inter-Observer and Self-Observer Reliability'. *IEEE Transactions on Affective Computing*, vol. 7, no. 2, 2016, pp. 136–49, <https://doi.org/10.1109/TAFFC.2015.2457413>.

DMello, Sidney K., et al. 'Unimodal and Multimodal Human Perception of Naturalistic Non-Basic Affective States during Human-Computer Interactions'. *IEEE Transactions on Affective Computing*, vol. 4, no. 4, Oct. 2013, pp. 452–65, <https://doi.org/10.1109/T-AFFC.2013.19>.

Ekman, Paul. 'What Scientists Who Study Emotion Agree About'. *Perspectives on Psychological Science*, vol. 11, no. 1, Jan. 2016, pp. 31–34, <https://doi.org/10.1177/1745691615596992>.

Elkharraz, Galal, et al. 'Making Tactile Textures with Predefined Affective Properties'. *IEEE Transactions on Affective Computing*, vol. 5, no. 1, 2014, pp. 57–70, <https://doi.org/10.1109/T-AFFC.2013.21>.

Fanselow, Michael S. 'Emotion, Motivation and Function'. *Current Opinion in Behavioral Sciences*, vol. 19, Feb. 2018, pp. 105–09, <https://doi.org/10.1016/j.cobeha.2017.12.013>.

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

Gallace, Alberto, and Charles Spence. 'The Science of Interpersonal Touch: An Overview'. *Neuroscience & Biobehavioral Reviews*, vol. 34, no. 2, 2010, pp. 246–59, <https://doi.org/10.1016/j.neubiorev.2008.10.004>.

Gao, Yuan, et al. 'What Does Touch Tell Us about Emotions in Touchscreen-Based Gameplay?' *ACM Transactions on Computer-Human Interaction*, vol. 19, no. 4, Dec. 2012, pp. 1–30, <https://doi.org/10.1145/2395131.2395138>.

Gratch, Jonathan, and Stacy Marsella. 'A Domain-Independent Framework for Modeling Emotion'. *Cognitive Systems Research*, vol. 5, no. 4, 2004, pp. 269–306,

<https://doi.org/10.1016/j.cogsys.2004.02.002>.

Gruebler, Anna, and Kenji Suzuki. 'Design of a Wearable Device for Reading Positive Expressions from Facial EMG Signals'. *IEEE Transactions on Affective Computing*, vol. 5, no. 3, July 2014, pp. 227–37, <https://doi.org/10.1109/TAFFC.2014.2313557>.

Hamacher, Adriana, et al. 'Believing in BERT: Using Expressive Communication to Enhance Trust and Counteract Operational Error in Physical Human-Robot Interaction'. *2016 25th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)*, 2016, pp. 493–500, <https://doi.org/10.1109/ROMAN.2016.7745163>.

Harmon-Jones, Cindy, et al. 'The Discrete Emotions Questionnaire: A New Tool for Measuring State Self-Reported Emotions'. *PLOS ONE*, vol. 11, no. 8, Aug. 2016, <https://doi.org/10.1371/journal.pone.0159915>.

Hertenstein, Matthew J., et al. 'The Communication of Emotion via Touch.' *Emotion*, vol. 9, no. 4, 2009, pp. 566–73, <http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=00130470-200908000-00017&LSLINK=80&D=ovft>.

Hirano, Takahiro, et al. 'How Do Communication Cues Change Impressions of Human-Robot Touch Interaction?' *International Journal of Social Robotics*, vol. 10, no. 1, Jan. 2018, pp. 21–31, <https://doi.org/10.1007/s12369-017-0425-8>.

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

———. 'To Feel or Not to Feel: The Role of Affect in Human-Computer Interaction'. *International Journal of Human-Computer Studies*, vol. 59, nos 1–2, July 2003, pp. 1–32, [https://doi.org/10.1016/S1071-5819\(03\)00047-8](https://doi.org/10.1016/S1071-5819(03)00047-8).

Huisman, G., et al. 'The TaSSt: Tactile Sleeve for Social Touch'. *2013 World Haptics Conference (WHC)*, 2013, pp. 211–16, <https://doi.org/10.1109/WHC.2013.6548410>.

Hutson, Suzanne, et al. 'Investigating the Suitability of Social Robots for the Wellbeing of the Elderly'. *Affective Computing and Intelligent Interaction*, edited by Sidney D'Mello et al., vol. 6974, Springer Berlin Heidelberg, 2011, pp. 578–87, https://doi.org/10.1007/978-3-642-24600-5_61.

Isbister, Katherine, et al. 'The Sensual Evaluation Instrument: Developing a Trans-Cultural Self-Report Measure of Affect'. *International Journal of Human-Computer Studies*, vol. 65, no. 4, Apr. 2007, pp. 315–28, <https://doi.org/10.1016/j.ijhcs.2006.11.017>.

Janssen, Joris H., et al. 'Intimate Heartbeats: Opportunities for Affective Communication Technology'. *IEEE Transactions on Affective Computing*, vol. 1, no. 2, July 2010, pp. 72–80, <https://doi.org/10.1109/T-AFFC.2010.13>.

Jeon, Myounghoon. 'Emotions in Driving'. *Emotions and Affect in Human Factors and Human-Computer Interaction*, Elsevier, 2017, pp. 437–74, <https://doi.org/10.1016/B978-0-12-801851-4.00017-3>.

Jordan, Patrick W. *Designing Pleasurable Products: An Introduction to the New Human Factors*. Taylor & Francis, 2000, <https://doi.org/10.4324/9780203305683>.

———. 'Human Factors for Pleasure in Product Use'. *Applied Ergonomics*, vol. 29, no. 1, Feb. 1998, pp. 25–33, [https://doi.org/10.1016/S0003-6870\(97\)00022-7](https://doi.org/10.1016/S0003-6870(97)00022-7).

Kamide, Hiroko, and Tatsuo Arai. 'Perceived Comfortableness of Anthropomorphized Robots in U.S. and Japan'. *International Journal of Social Robotics*, vol. 9, no. 4, 2017, pp. 537–43, <https://doi.org/10.1007/s12369-017-0409-8>.

Kleinsmith, Andrea, and Nadia Bianchi-Berthouze. 'Affective Body Expression Perception and Recognition: A Survey'. *IEEE Transactions on Affective Computing*, vol. 4, no. 1, Jan. 2013, pp. 15–33, <https://doi.org/10.1109/T-AFFC.2012.16>.

Kroupi, Eleni, et al. 'Subject-Independent Odor Pleasantness Classification Using Brain and Peripheral Signals'. *IEEE Transactions on Affective Computing*, vol. 7, no. 4, Oct. 2016, pp. 422–34, <https://doi.org/10.1109/TAFFC.2015.2496310>.

Kusserow, M., et al. 'Modeling Arousal Phases in Daily Living Using Wearable Sensors'. *IEEE Transactions on Affective Computing*, vol. 4, no. 1, Jan. 2013, pp. 93–105, <https://doi.org/10.1109/T-AFFC.2012.37>.

Küster, Dennis, and Arvid Kappas. 'Measuring Emotions Online: Expression and Physiology'. *Cyberemotions*, edited by Janusz A. Holyst, Springer International Publishing, 2017, pp. 71–93, https://doi.org/10.1007/978-3-319-43639-5_5.

Liu, Kris, et al. 'Two Techniques for Assessing Virtual Agent Personality'. *IEEE Transactions on Affective Computing*, vol. 7, no. 1, 2016, pp. 94–105, <https://doi.org/10.1109/TAFFC.2015.2435780>.

Marc, Hassenzahl, Andrew Monk. 'The Inference of Perceived Usability From Beauty'. *Human-Computer Interaction*, vol. 25, no. 3, 2010, pp. 235–60, <http://www.tandfonline.com/doi/abs/10.1080/07370024.2010.500139>.

Marsella, Stacy C., and Jonathan Gratch. 'EMA: A Process Model of Appraisal Dynamics'. *Cognitive Systems Research*, vol. 10, no. 1, 2009, pp. 70–90, <https://doi.org/10.1016/j.cogsys.2008.03.005>.

Mauss, Iris B., and Michael D. Robinson. 'Measures of Emotion: A Review'. *Cognition & Emotion*, vol. 23, no. 2, Feb. 2009, pp. 209–37, <https://doi.org/10.1080/02699930802204677>.

McCarthy, John, J, and Peter Wright. *Technology as Experience*. <https://ieeexplore.ieee.org/book/6267305>.

Nardelli, Mimma, et al. 'Recognizing Emotions Induced by Affective Sounds through Heart Rate Variability'. *IEEE Transactions on Affective Computing*, vol. 6, no. 4, Oct. 2015, pp. 385–94, <https://doi.org/10.1109/TAFFC.2015.2432810>.

Norman, Donald. 'Introduction to This Special Section on Beauty, Goodness, and Usability'. *Human-Computer Interaction*, vol. 19, no. 4, Dec. 2004, pp. 311–18, https://doi.org/10.1207/s15327051hci1904_1.

Obrist, Marianna, et al. 'Talking about Tactile Experiences'. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems - CHI '13, 2013, pp. 1659–68, <https://doi.org/10.1145/2470654.2466220>.

Pessoa, Luiz. 'Do Intelligent Robots Need Emotion?' Trends in Cognitive Sciences, vol. 21, no. 11, pp. 817–19, <https://doi.org/10.1016/j.tics.2017.06.010>.

Petitmengin, Claire. 'Describing One's Subjective Experience in the Second Person: An Interview Method for the Science of Consciousness'. Phenomenology and the Cognitive Sciences, vol. 5, nos 3–4, Dec. 2006, pp. 229–69, <https://doi.org/10.1007/s11097-006-9022-2>.

Petitmengin, Claire, and Jean-Philippe Lachaux. 'Microcognitive Science: Bridging Experiential and Neuronal Microdynamics'. Frontiers in Human Neuroscience, vol. 7, 27 AD, <https://doi.org/10.3389/fnhum.2013.00617>.

Petreca, Bruna, et al. 'How Do Designers Feel Textiles?' 2015 International Conference on Affective Computing and Intelligent Interaction (ACII), 2015, pp. 982–87, <https://doi.org/10.1109/ACII.2015.7344695>.

Politou, Eugenia, et al. 'A Survey on Mobile Affective Computing'. Computer Science Review, vol. 25, Aug. 2017, pp. 79–100, <https://doi.org/10.1016/j.cosrev.2017.07.002>.

Poppa, Tasha, and Antoine Bechara. 'The Somatic Marker Hypothesis: Revisiting the Role of the "Body-Loop" in Decision-Making'. Current Opinion in Behavioral Sciences, vol. 19, Feb. 2018, pp. 61–66, <https://doi.org/10.1016/j.cobeha.2017.10.007>.

Rosenthal-von der Pütten, Astrid M., and Nicole C. Krämer. 'Individuals' Evaluations of and Attitudes Towards Potentially Uncanny Robots'. International Journal of Social Robotics, vol. 7, no. 5, Nov. 2015, pp. 799–824, <https://doi.org/10.1007/s12369-015-0321-z>.

Roy, Rajkumar, et al. 'User-Centric Design and Kansei Engineering'. CIRP Journal of Manufacturing Science and Technology, vol. 1, no. 3, Jan. 2009, pp. 172–78, <https://doi.org/10.1016/j.cirpj.2008.10.007>.

Russell, James A., and Lisa Feldman Barrett. 'Core Affect, Prototypical Emotional Episodes, and Other Things Called Emotion: Dissecting the Elephant.' Journal of Personality and Social Psychology, vol. 76, no. 5, 1999, pp. 805–19, <http://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&AN=00005205-199905000-00009&LSLINK=80&D=ovft>.

Sauter, Disa A. 'The Nonverbal Communication of Positive Emotions: An Emotion Family Approach'. Emotion Review, vol. 9, no. 3, July 2017, pp. 222–34, <https://doi.org/10.1177/1754073916667236>.

Sefidgar, Yasaman S., et al. 'Design and Evaluation of a Touch-Centered Calming Interaction with a Social Robot'. IEEE Transactions on Affective Computing, vol. 7, no. 2, 2016, pp. 108–21, <https://doi.org/10.1109/TAFFC.2015.2457893>.

Segalin, Crisitina, et al. 'The Pictures We Like Are Our Image: Continuous Mapping of Favorite Pictures into Self-Assessed and Attributed Personality Traits'. IEEE Transactions on Affective Computing, vol. 8, no. 2, Apr. 2017, pp. 268–85,

<https://doi.org/10.1109/TAFFC.2016.2516994>.

———. 'The Pictures We Like Are Our Image: Continuous Mapping of Favorite Pictures into Self-Assessed and Attributed Personality Traits'. *IEEE Transactions on Affective Computing*, vol. 8, no. 2, Apr. 2017, pp. 268–85, <https://doi.org/10.1109/TAFFC.2016.2516994>.

Spadafora, Marco, et al. 'Designing the Behavior of Interactive Objects'. *Proceedings of the TEI '16: Tenth International Conference on Tangible, Embedded, and Embodied Interaction - TEI '16*, 2016, pp. 70–77, <https://doi.org/10.1145/2839462.2839502>.

Stanton, Christopher John, and Catherine J. Stevens. '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*, vol. 9, no. 5, Nov. 2017, pp. 745–53, <https://doi.org/10.1007/s12369-017-0422-y>.

Tajadura-Jiménez, Ana, et al. 'As Light as Your Footsteps'. *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems - CHI '15*, 2015, pp. 2943–52, <https://doi.org/10.1145/2702123.2702374>.

Tractinsky, N., et al. 'What Is Beautiful Is Usable'. *Interacting with Computers*, vol. 13, no. 2, Dec. 2000, pp. 127–45, [https://doi.org/10.1016/S0953-5438\(00\)00031-X](https://doi.org/10.1016/S0953-5438(00)00031-X).

Tuch, Alexandre, et al. 'The Role of Visual Complexity in Affective Reactions to Webpages: Subjective, Eye Movement, and Cardiovascular Responses'. *IEEE Transactions on Affective Computing*, vol. 2, no. 4, Oct. 2011, pp. 230–36, <https://doi.org/10.1109/T-AFFC.2011.18>.

Turchet, Luca, and Roberto Bresin. 'Effects of Interactive Sonification on Emotionally Expressive Walking Styles'. *IEEE Transactions on Affective Computing*, vol. 6, no. 2, 2015, pp. 152–64, <https://doi.org/10.1109/TAFFC.2015.2416724>.

van der Zwaag, Marjolein D., et al. 'Directing Physiology and Mood through Music: Validation of an Affective Music Player'. *IEEE Transactions on Affective Computing*, vol. 4, no. 1, pp. 57–68, <https://doi.org/10.1109/T-AFFC.2012.28>.

Vinciarelli, Alessandro, et al. 'Bridging the Gap between Social Animal and Unsocial Machine: A Survey of Social Signal Processing'. *IEEE Transactions on Affective Computing*, vol. 3, no. 1, Jan. 2012, pp. 69–87, <https://doi.org/10.1109/T-AFFC.2011.27>.

Vinciarelli, Alessandro, and Gelareh Mohammadi. 'A Survey of Personality Computing'. *IEEE Transactions on Affective Computing*, vol. 5, no. 3, July 2014, pp. 273–91, <https://doi.org/10.1109/TAFFC.2014.2330816>.

Wac, Katarzyna, and Christiana Tsiourti. 'Ambulatory Assessment of Affect: Survey of Sensor Systems for Monitoring of Autonomic Nervous Systems Activation in Emotion'. *IEEE Transactions on Affective Computing*, vol. 5, no. 3, July 2014, pp. 251–72, <https://doi.org/10.1109/TAFFC.2014.2332157>.