

PSYC0021: Affective Interaction

View Online



1.

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

2.

Marc, Hassenzahl, Andrew Monk: The Inference of Perceived Usability From Beauty. *Human-Computer Interaction*. 25, 235–260 (2010).

3.

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

4.

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

5.

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

6.

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

7.

McCarthy, J., J., Wright, P.: Technology as Experience.

8.

Bickmore, T.W., Fernando, R., Ring, L., Schulman, D.: Empathic Touch by Relational Agents. *IEEE Transactions on Affective Computing*. 1, 60–71 (2010).
<https://doi.org/10.1109/T-AFFC.2010.4>.

9.

Segalin, C., Perina, A., Cristani, M., Vinciarelli, A.: 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, 268–285 (2017).
<https://doi.org/10.1109/T-AFFC.2016.2516994>.

10.

Sefidgar, Y.S., MacLean, K.E., Yohanan, S., Van der Loos, H.F.M., Croft, E.A., Garland, E.J.: Design and Evaluation of a Touch-Centered Calming Interaction with a Social Robot. *IEEE Transactions on Affective Computing*. 7, 108–121 (2016).
<https://doi.org/10.1109/T-AFFC.2015.2457893>.

11.

Turchet, L., Bresin, R.: Effects of Interactive Sonification on Emotionally Expressive Walking Styles. *IEEE Transactions on Affective Computing*. 6, 152–164 (2015).
<https://doi.org/10.1109/T-AFFC.2015.2416724>.

12.

Tuch, A., Kreibig, S., Roth, S., Bargas-Avila, J., Opwis, K., Wilhelm, F.: The Role of Visual Complexity in Affective Reactions to Webpages: Subjective, Eye Movement, and Cardiovascular Responses. *IEEE Transactions on Affective Computing*. 2, 230–236 (2011).
<https://doi.org/10.1109/T-AFFC.2011.18>.

13.

Elkharraz, G., Thumfart, S., Akay, D., Eitzinger, C., Henson, B.: Making Tactile Textures with Predefined Affective Properties. *IEEE Transactions on Affective Computing*. 5, 57–70 (2014). <https://doi.org/10.1109/T-AFFC.2013.21>.

14.

Calvo, R.A., Peters, D.: *Positive computing: technology for wellbeing and human potential*. MIT Press, Cambridge, Massachusetts (2014).

15.

Russell, J.A., Barrett, L.F.: Core affect, prototypical emotional episodes, and other things called emotion: Dissecting the elephant. *Journal of Personality and Social Psychology*. 76, 805–819 (1999).

16.

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

17.

Boehner, K., DePaula, R., Dourish, P., Sengers, P.: How emotion is made and measured. *International Journal of Human-Computer Studies*. 65, 275–291 (2007). <https://doi.org/10.1016/j.ijhcs.2006.11.016>.

18.

Isbister, K., Höök, K., Laaksolahti, J., Sharp, M.: The sensual evaluation instrument: Developing a trans-cultural self-report measure of affect. *International Journal of Human-Computer Studies*. 65, 315–328 (2007). <https://doi.org/10.1016/j.ijhcs.2006.11.017>.

19.

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

20.

Bitbol, M., Petitmengin, C.: A Defense of Introspection from Within. 8, 269-279 (2013).

21.

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

22.

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

23.

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

24.

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

25.

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

26.

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

27.

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

28.

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

29.

Kroupi, E., Vesin, J.-M., Ebrahimi, T.: Subject-Independent Odor Pleasantness Classification Using Brain and Peripheral Signals. *IEEE Transactions on Affective Computing*. 7, 422–434 (2016). <https://doi.org/10.1109/TAFFC.2015.2496310>.

30.

Nardelli, M., Valenza, G., Greco, A., Lanata, A., Scilingo, E.P.: Recognizing Emotions Induced by Affective Sounds through Heart Rate Variability. *IEEE Transactions on Affective Computing*. 6, 385–394 (2015). <https://doi.org/10.1109/TAFFC.2015.2432810>.

31.

Kusserow, M., Amft, O., Troster, G.: Modeling arousal phases in daily living using wearable sensors. *IEEE Transactions on Affective Computing*. 4, 93–105 (2013). <https://doi.org/10.1109/T-AFFC.2012.37>.

32.

van der Zwaag, M.D., Janssen, J.H., Westerink, J.H.D.M.: Directing Physiology and Mood through Music: Validation of an Affective Music Player. *IEEE Transactions on Affective Computing*. 4, 57–68. <https://doi.org/10.1109/T-AFFC.2012.28>.

33.

Abdelrahman, Y., Velloso, E., Dingler, T., Schmidt, A., Vetere, F.: Cognitive Heat. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*. 1, 1–20 (2017). <https://doi.org/10.1145/3130898>.

34.

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

35.

Hertenstein, M.J., Holmes, R., McCullough, M., Keltner, D.: The communication of emotion via touch. *Emotion*. 9, 566–573 (2009).

36.

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

37.

Kleinsmith, A., Bianchi-Berthouze, N.: Affective Body Expression Perception and Recognition: A Survey. *IEEE Transactions on Affective Computing*. 4, 15–33 (2013). <https://doi.org/10.1109/T-AFFC.2012.16>.

38.

Huisman, G., Darriba Frederiks, A., Van Dijk, B., Hevlen, D., Krose, B.: The TaSSt: Tactile sleeve for social touch. In: *2013 World Haptics Conference (WHC)*. pp. 211–216. IEEE (2013). <https://doi.org/10.1109/WHC.2013.6548410>.

39.

Vinciarelli, A., Pantic, M., Heylen, D., Pelachaud, C., Poggi, I., D'Errico, F., Schroeder, M.: Bridging the Gap between Social Animal and Unsocial Machine: A Survey of Social Signal Processing. *IEEE Transactions on Affective Computing*. 3, 69–87 (2012).

<https://doi.org/10.1109/T-AFFC.2011.27>.

40.

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

41.

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

42.

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

43.

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

44.

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

45.

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

46.

Tajadura-Jiménez, A., Basia, M., Deroy, O., Fairhurst, M., Marquardt, N., Bianchi-Berthouze, N.: As Light as your Footsteps. In: Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems - CHI '15. pp. 2943–2952. ACM Press (2015). <https://doi.org/10.1145/2702123.2702374>.

47.

Janssen, J.H., Bailenson, J.N., IJsselsteijn, W.A., Westerink, J.H.D.M.: Intimate Heartbeats: Opportunities for Affective Communication Technology. *IEEE Transactions on Affective Computing*. 1, 72–80 (2010). <https://doi.org/10.1109/T-AFFC.2010.13>.

48.

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

49.

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

50.

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

51.

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

52.

Forgas, J.P.: 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*. pp. 89–122. Elsevier (2017). <https://doi.org/10.1016/B978-0-12-801851-4.00003-3>.

53.

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

54.

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

55.

DMello, S.K., Dowell, N., Graesser, A.: Unimodal and Multimodal Human Perception of Naturalistic Non-Basic Affective States during Human-Computer Interactions. *IEEE Transactions on Affective Computing*. 4, 452–465 (2013).
<https://doi.org/10.1109/T-AFFC.2013.19>.

56.

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

57.

Wac, K., Tsiourti, C.: Ambulatory Assessment of Affect: Survey of Sensor Systems for Monitoring of Autonomic Nervous Systems Activation in Emotion. *IEEE Transactions on Affective Computing*. 5, 251–272 (2014). <https://doi.org/10.1109/T-AFFC.2014.2332157>.

58.

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

59.

Spadafora, M., Chahuneau, V., Martelaro, N., Sirkin, D., Ju, W.: Designing the Behavior of

Interactive Objects. In: Proceedings of the TEI '16: Tenth International Conference on Tangible, Embedded, and Embodied Interaction - TEI '16. pp. 70–77. ACM Press (2016). <https://doi.org/10.1145/2839462.2839502>.

60.

Hamacher, A., Bianchi-Berthouze, N., Pipe, A.G., Eder, K.: 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). pp. 493–500. IEEE (2016). <https://doi.org/10.1109/ROMAN.2016.7745163>.

61.

Coeckelbergh, M.: Are Emotional Robots Deceptive? IEEE Transactions on Affective Computing. 3, 388–393 (2012). <https://doi.org/10.1109/T-AFFC.2011.29>.

62.

Liu, K., Tolins, J., Fox Tree, J.E., Neff, M., Walker, M.A.: Two Techniques for Assessing Virtual Agent Personality. IEEE Transactions on Affective Computing. 7, 94–105 (2016). <https://doi.org/10.1109/TAFFC.2015.2435780>.

63.

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

64.

Stanton, C.J., Stevens, C.J.: 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, 745–753 (2017). <https://doi.org/10.1007/s12369-017-0422-y>.

65.

Kamide, H., Arai, T.: Perceived Comfortableness of Anthropomorphized Robots in U.S. and Japan. International Journal of Social Robotics. 9, 537–543 (2017). <https://doi.org/10.1007/s12369-017-0409-8>.

66.

Hirano, T., Shiomi, M., Iio, T., Kimoto, M., Tanev, I., Shimohara, K., Hagita, N.: How Do Communication Cues Change Impressions of Human-Robot Touch Interaction? *International Journal of Social Robotics*. 10, 21–31 (2018). <https://doi.org/10.1007/s12369-017-0425-8>.

67.

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

68.

Hutson, S., Lim, S.L., Bentley, P.J., Bianchi-Berthouze, N., Bowling, A.: Investigating the Suitability of Social Robots for the Wellbeing of the Elderly. In: D'Mello, S., Graesser, A., Schuller, B., and Martin, J.-C. (eds.) *Affective Computing and Intelligent Interaction*. pp. 578–587. Springer Berlin Heidelberg, Berlin, Heidelberg (2011). https://doi.org/10.1007/978-3-642-24600-5_61.

69.

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

70.

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

71.

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

72.

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

73.

Segalin, C., Perina, A., Cristani, M., Vinciarelli, A.: 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, 268–285 (2017).
<https://doi.org/10.1109/TAFFC.2016.2516994>.

74.

Pessoa, L.: Do Intelligent Robots Need Emotion? Trends in Cognitive Sciences. 21, 817–819. <https://doi.org/10.1016/j.tics.2017.06.010>.