

PSYC0021: Affective Interaction

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Abdelrahman, Yomna, and others, 'Cognitive Heat', Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 1.3 (2017), pp. 1–20, doi:10.1145/3130898

Andrew Ortony, Donald A. Norman, and William Revelle, 'Affect and Proto-Affect in Effective Functioning', in Who Needs Emotions?, ed. by Jean-Marc Fellous and Michael A. Arbib (Oxford University Press, 2005), pp. 173–202, doi:10.1093/acprof:oso/9780195166194.003.0007

Aviezer, H., Y. Trope, and A. Todorov, 'Body Cues, Not Facial Expressions, Discriminate Between Intense Positive and Negative Emotions', Science, 338.6111 (2012), pp. 1225–29, doi:10.1126/science.1224313

Beale, Russell, and Chris Creed, 'Affective Interaction: How Emotional Agents Affect Users', International Journal of Human-Computer Studies, 67.9 (2009), pp. 755–76, doi:10.1016/j.ijhcs.2009.05.001

Bickmore, Timothy W., and others, 'Empathic Touch by Relational Agents', IEEE Transactions on Affective Computing, 1.1 (2010), pp. 60–71, doi:10.1109/T-AFFC.2010.4

Bitbol, Michel, and Claire Petitmengin, A Defense of Introspection from Within, 8.3 (2013), pp. 269–79 <<http://constructivist.info/8/3/269.bitbol>>

Boehner, Kirsten, and others, 'How Emotion Is Made and Measured', International Journal of Human-Computer Studies, 65.4 (2007), pp. 275–91, doi: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, Oya Aran, and Daniel Gatica-Perez, 'Rapport with Virtual Agents: What Do Human Social Cues and Personality Explain?', IEEE Transactions on Affective Computing, 8.3 (2017), pp. 382–95, doi:10.1109/TAFFC.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, 45.1 (2009), pp. 123–28, doi:10.1016/j.jesp.2008.06.012

Clore, Gerald L., and Janet Palmer, 'Affective Guidance of Intelligent Agents: How Emotion Controls Cognition', Cognitive Systems Research, 10.1 (2009), pp. 21–30, doi:10.1016/j.cogsys.2008.03.002

Clore, Gerald L., Alexander J Schiller, and Adi Shaked, 'Affect and Cognition: Three

Principles', *Current Opinion in Behavioral Sciences*, 19 (2018), pp. 78–82, doi:10.1016/j.cobeha.2017.11.010

—, Alexander J Schiller, and Adi Shaked, 'Affect and Cognition: Three Principles', *Current Opinion in Behavioral Sciences*, 19 (2018), pp. 78–82, doi:10.1016/j.cobeha.2017.11.010

Coeckelbergh, Mark, 'Are Emotional Robots Deceptive?', *IEEE Transactions on Affective Computing*, 3.4 (2012), pp. 388–93, doi: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*, 19 (2018), pp. 13–18, doi: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*, 7.2 (2016), pp. 136–49, doi:10.1109/TAFFC.2015.2457413

DMello, Sidney K., Nia Dowell, and Art Graesser, 'Unimodal and Multimodal Human Perception of Naturalistic Non-Basic Affective States during Human-Computer Interactions', *IEEE Transactions on Affective Computing*, 4.4 (2013), pp. 452–65, doi:10.1109/T-AFFC.2013.19

Ekman, Paul, 'What Scientists Who Study Emotion Agree About', *Perspectives on Psychological Science*, 11.1 (2016), pp. 31–34, doi:10.1177/1745691615596992

Elkharraz, Galal, and others, 'Making Tactile Textures with Predefined Affective Properties', *IEEE Transactions on Affective Computing*, 5.1 (2014), pp. 57–70, doi:10.1109/T-AFFC.2013.21

Fanselow, Michael S, 'Emotion, Motivation and Function', *Current Opinion in Behavioral Sciences*, 19 (2018), pp. 105–09, doi: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', in *Emotions and Affect in Human Factors and Human-Computer Interaction* (Elsevier, 2017), pp. 89–122, doi:10.1016/B978-0-12-801851-4.00003-3

Gallace, Alberto, and Charles Spence, 'The Science of Interpersonal Touch: An Overview', *Neuroscience & Biobehavioral Reviews*, 34.2 (2010), pp. 246–59, doi:10.1016/j.neubiorev.2008.10.004

Gao, Yuan, Nadia Bianchi-Berthouze, and Hongying Meng, 'What Does Touch Tell Us about Emotions in Touchscreen-Based Gameplay?', *ACM Transactions on Computer-Human Interaction*, 19.4 (2012), pp. 1–30, doi:10.1145/2395131.2395138

Gratch, Jonathan, and Stacy Marsella, 'A Domain-Independent Framework for Modeling Emotion', *Cognitive Systems Research*, 5.4 (2004), pp. 269–306, doi: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*, 5.3 (2014), pp. 227–37, doi:10.1109/TAFFC.2014.2313557

Hamacher, Adriana, and others, '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), August 2016, pp. 493–500, doi:10.1109/ROMAN.2016.7745163

Harmon-Jones, Cindy, Brock Bastian, and Eddie Harmon-Jones, 'The Discrete Emotions Questionnaire: A New Tool for Measuring State Self-Reported Emotions', PLOS ONE, 11.8 (2016), doi:10.1371/journal.pone.0159915

Hertenstein, Matthew J., and others, 'The Communication of Emotion via Touch.', *Emotion*, 9.4 (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, and others, 'How Do Communication Cues Change Impressions of Human-Robot Touch Interaction?', *International Journal of Social Robotics*, 10.1 (2018), pp. 21–31, doi:10.1007/s12369-017-0425-8

Hudlicka, Eva, '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, 2017), pp. 383–436, doi: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*, 59.1–2 (2003), pp. 1–32, doi:10.1016/S1071-5819(03)00047-8

Huisman, G., and others, 'The TaSSt: Tactile Sleeve for Social Touch', 2013 World Haptics Conference (WHC), April 2013, pp. 211–16, doi:10.1109/WHC.2013.6548410

Hutson, Suzanne, and others, 'Investigating the Suitability of Social Robots for the Wellbeing of the Elderly', in *Affective Computing and Intelligent Interaction*, ed. by Sidney D'Mello and others (Springer Berlin Heidelberg, 2011), pp. 578–87, doi:10.1007/978-3-642-24600-5_61

Isbister, Katherine, and others, 'The Sensual Evaluation Instrument: Developing a Trans-Cultural Self-Report Measure of Affect', *International Journal of Human-Computer Studies*, 65.4 (2007), pp. 315–28, doi:10.1016/j.ijhcs.2006.11.017

Janssen, Joris H., and others, 'Intimate Heartbeats: Opportunities for Affective Communication Technology', *IEEE Transactions on Affective Computing*, 1.2 (2010), pp. 72–80, doi:10.1109/T-AFFC.2010.13

Jeon, Myounghoon, 'Emotions in Driving', in *Emotions and Affect in Human Factors and Human-Computer Interaction* (Elsevier, 2017), pp. 437–74, doi: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)

—, 'Human Factors for Pleasure in Product Use', *Applied Ergonomics*, 29.1 (1998), pp. 25–33, doi: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*, 9.4 (2017), pp. 537-43, doi: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*, 4.1 (2013), pp. 15-33, doi:10.1109/T-AFFC.2012.16
- Kroupi, Eleni, Jean-Marc Vesin, and Touradj Ebrahimi, 'Subject-Independent Odor Pleasantness Classification Using Brain and Peripheral Signals', *IEEE Transactions on Affective Computing*, 7.4 (2016), pp. 422-34, doi:10.1109/TAFFC.2015.2496310
- Kusserow, M., O. Amft, and Gerhard Troster, 'Modeling Arousal Phases in Daily Living Using Wearable Sensors', *IEEE Transactions on Affective Computing*, 4.1 (2013), pp. 93-105, doi:10.1109/T-AFFC.2012.37
- Küster, Dennis, and Arvid Kappas, 'Measuring Emotions Online: Expression and Physiology', in *Cyberemotions*, ed. by Janusz A. Holyst (Springer International Publishing, 2017), pp. 71-93, doi:10.1007/978-3-319-43639-5_5
- Liu, Kris, and others, 'Two Techniques for Assessing Virtual Agent Personality', *IEEE Transactions on Affective Computing*, 7.1 (2016), pp. 94-105, doi:10.1109/TAFFC.2015.2435780
- Marc, Hassenzahl, Andrew Monk, 'The Inference of Perceived Usability From Beauty', *Human-Computer Interaction*, 25.3 (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*, 10.1 (2009), pp. 70-90, doi:10.1016/j.cogsys.2008.03.005
- Mauss, Iris B., and Michael D. Robinson, 'Measures of Emotion: A Review', *Cognition & Emotion*, 23.2 (2009), pp. 209-37, doi:10.1080/02699930802204677
- McCarthy, John, J, and Peter Wright, *Technology as Experience* (n.d.)
<<https://ieeexplore.ieee.org/book/6267305>>
- Nardelli, Mimma, and others, 'Recognizing Emotions Induced by Affective Sounds through Heart Rate Variability', *IEEE Transactions on Affective Computing*, 6.4 (2015), pp. 385-94, doi:10.1109/TAFFC.2015.2432810
- Norman, Donald, 'Introduction to This Special Section on Beauty, Goodness, and Usability', *Human-Computer Interaction*, 19.4 (2004), pp. 311-18, doi:10.1207/s15327051hci1904_1
- Obrist, Marianna, Sue Ann Seah, and Sriram Subramanian, 'Talking about Tactile Experiences', *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems - CHI '13*, 2013, pp. 1659-68, doi:10.1145/2470654.2466220
- Pessoa, Luiz, 'Do Intelligent Robots Need Emotion?', *Trends in Cognitive Sciences*, 21.11 (n.d.), pp. 817-19, doi: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*, 5.3-4 (2006), pp. 229-69, doi:10.1007/s11097-006-9022-2

—, and Jean-Philippe Lachaux, 'Microcognitive Science: Bridging Experiential and Neuronal Microdynamics', *Frontiers in Human Neuroscience*, 7 (27 AD), doi:10.3389/fnhum.2013.00617

Petrecu, Bruna, Sharon Baurley, and Nadia Bianchi-Berthouze, 'How Do Designers Feel Textiles?', 2015 International Conference on Affective Computing and Intelligent Interaction (ACII), September 2015, pp. 982-87, doi:10.1109/ACII.2015.7344695

Politou, Eugenia, Efthimios Alepis, and Constantinos Patsakis, 'A Survey on Mobile Affective Computing', *Computer Science Review*, 25 (2017), pp. 79-100, doi: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*, 19 (2018), pp. 61-66, doi: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*, 7.5 (2015), pp. 799-824, doi:10.1007/s12369-015-0321-z

Roy, Rajkumar, Michael Goatman, and Kieran Khangura, 'User-Centric Design and Kansei Engineering', *CIRP Journal of Manufacturing Science and Technology*, 1.3 (2009), pp. 172-78, doi: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*, 76.5 (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*, 9.3 (2017), pp. 222-34, doi:10.1177/1754073916667236

Sefidgar, Yasaman S., and others, 'Design and Evaluation of a Touch-Centered Calming Interaction with a Social Robot', *IEEE Transactions on Affective Computing*, 7.2 (2016), pp. 108-21, doi:10.1109/TAFFC.2015.2457893

Segalin, Crisitina, and others, '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 (2017), pp. 268-85, doi:10.1109/TAFFC.2016.2516994

—, and others, '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 (2017), pp. 268-85, doi:10.1109/TAFFC.2016.2516994

Spadafora, Marco, and others, '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, doi: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*, 9.5 (2017), pp. 745–53, doi:10.1007/s12369-017-0422-y

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

Tractinsky, N, A.S Katz, and D Ikar, 'What Is Beautiful Is Usable', *Interacting with Computers*, 13.2 (2000), pp. 127–45, doi:10.1016/S0953-5438(00)00031-X

Tuch, Alexandre, and others, 'The Role of Visual Complexity in Affective Reactions to Webpages: Subjective, Eye Movement, and Cardiovascular Responses', *IEEE Transactions on Affective Computing*, 2.4 (2011), pp. 230–36, doi: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*, 6.2 (2015), pp. 152–64, doi:10.1109/TAFFC.2015.2416724

Vinciarelli, Alessandro, and others, 'Bridging the Gap between Social Animal and Unsocial Machine: A Survey of Social Signal Processing', *IEEE Transactions on Affective Computing*, 3.1 (2012), pp. 69–87, doi:10.1109/T-AFFC.2011.27

—, and Gelareh Mohammadi, 'A Survey of Personality Computing', *IEEE Transactions on Affective Computing*, 5.3 (2014), pp. 273–91, doi: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*, 5.3 (2014), pp. 251–72, doi:10.1109/TAFFC.2014.2332157

Zwaag, Marjolein D. van der, Joris H. Janssen, and Joyce H.D.M. Westerink, 'Directing Physiology and Mood through Music: Validation of an Affective Music Player', *IEEE Transactions on Affective Computing*, 4.1 (n.d.), pp. 57–68, doi:10.1109/T-AFFC.2012.28