

Nicholas D. Duran

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Current Position

Assistant Professor of Psychology, Arizona State University, School of Social and Behavioral Sciences, 2013-present

- Affiliate, Cognitive Science, Department of Psychology
- Affiliate, Barret Honors College

Previous Positions

Postdoctoral Researcher, University of California, Merced, Cognitive and Information Sciences, Merced, CA, 2011-2013

Honorary Senior Research Associate, University College London, Division of Psychology and Language Sciences, London, UK, 2011-2013

Education

Ph.D., Experimental Psychology (Cognitive Science Emphasis), University of Memphis, Memphis, TN, 2011

M.S., Experimental Psychology (Cognitive Science Emphasis), University of Memphis, Memphis, TN, 2007

B.A., Psychology (Psycholinguistic Emphasis), University of California, Riverside, Riverside, CA, 2005

Grant Support

Grant Support (Active)

Duran, N. D. (ASU PI), D'Mello, S (Colorado-Boulder PI), & Shute, V. (Florida State PI) (2017-2020). Collaborative research: Interpersonal coordination and coregulation during collaborative problem solving. \$358,892 (Total \$1,300,000). National Science Foundation: EHR Core Research. Award Number: 1660894

Schillinger, D. (UC San Francisco PI), Karter, A. (UC San Francisco PI), Crossley, S. (Georgia State Co-I), McNamara, D (ASU Co-I), **Duran, N. D. (ASU Co-I)** (2015-2020). The next frontier in diabetes communication: Promoting health literacy in the era of secure messaging. \$65,433 (ASU total: \$654,338). National Institutes of Health: National Library of Medicine. R01-5R01LM012355.

Grant Support (Pending)

Johnson, M. (PI), O'Rourke, H., Scott, K., **Duran, N. D. (Co-PI)**. (2017). VR for STEM education. \$275,924 (Total \$2,759,241). National Science Foundation: DRK-12.

Salerno, J. (PI) & **Duran, N. D. (Co-PI)**. (2018). Falling under the lens of suspicion. Expressing emotion in 911 calls. \$10,000. Arizona State University: Scholarship, Research and Creative Activities Grant Program.

Grant Support (Unfunded)

Johnson, M. (PI), Tinapple, D., Marley, S., Turaga, P., & **Duran, N. D. (Co-PI)**. (2016). A gesture-based assessment and embodied games for STEM education \$54,030 (Total \$540,304). National Science Foundation: DRK-12.

Schillinger, D. (UC San Francisco PI), Karter, A., Crossley, S, (Georgia State Co-I), McNamara, D (ASU Co-I), **Duran, N. D. (ASU Co-I)** (2015). Promoting diabetes medication adherence: Comparative effectiveness of linguistic matching in digital communication. \$36,623 (ASU total: \$366,238). National Institutes of Health: Patient-Centered Outcomes Research Institute.

Schillinger, D. (UC San Francisco PI), Karter, A., Crossley, S, (Georgia State Co-I), McNamara, D (ASU Co-I), **Duran, N. D. (ASU Co-I)** (2014). The next frontier in diabetes communication: Promoting health literacy in the era of secure messaging. \$65,857 (ASU total: \$658,571). National Institutes of Health: National Library of Medicine.

Grant Support (Completed)

Duran, N. D. & Randall, A. (2014). Couple's co-regulation processes during real-time interactions: An examination of behavior and emotion. \$8,700. Arizona State University: Institute for Social Science Research.

Duran, N. (PI) (2011-2013). Uncovering the hidden cognitive processes and underlying dynamics of deception. \$120,000. National Science Foundation Minority Postdoctoral Research Fellowship, SBE-1103356.

Fellowship Support

Duran, N. (PI) (2006-2009). Predicting deception from text cohesion. \$120,000. National Science Foundation Graduate Research Fellowship, SBE.

Publications

*Undergraduate student authors/collaborators

**Graduate student authors/collaborators

***Postdoctoral collaborators

Refereed Journal Publications

Crossley, S. A., **Duran, N.**, Kim, Y., Lester, T.**, & Clark, S. (in press). The action dynamics of native and non-native speakers of English in processing active and passive sentences. *Linguistic Approaches to Bilingualism*.

Duran, N. D., Nicholson, S., & Dale, R. (2017). The hidden appeal and aversion to political conspiracies as revealed in the response dynamics of partisans. *Journal of Experimental Social Psychology*, 73, 268-278.

Duran, N. D. & Fusaroli, R. (2017). Conversing with a devil's advocate: Interpersonal synchronization dynamics in deception and conflict. *PLoS ONE*. 12(6): e0178140.

- Schillinger, D, McNamara, D, Crossley, Scott, Moffet, H, Sarkar, U, **Duran, N. D.**, Allen, J, Oryn, D, Karter, A. J. (2017). The next frontier in communication and the ECLIPPSE study: Bridging the digital divide in secure messaging. *Journal of Diabetes Research*, 2017, 1-9.
- Coco, M. I.***, & **Duran, N. D.** (2016). When expectancies collide: Action dynamics reveal the interaction between stimulus plausibility and congruency. *Psychonomic Bulletin & Review*, 23, 1920-1931.
- Duran, N. D.**, Dale, R., & Galati, A.*** (2016). Towards integrative dynamic models for adaptive perspective-taking. *Topics in Cognitive Science*, 8, 761-779.
- Tabatabaieian, M.**, Dale, R., & **Duran, N. D.** (2015). Self-serving dishonest decisions can show facilitated cognitive dynamics. *Cognitive Processing*, 16, 291-300.
- Duran, N. D.**, & Dale, R. (2014). Perspective-taking in dialogue as self-organization under social constraints. *New Ideas in Psychology*, 32, 131-146.
- Dale, R. & **Duran, N. D.** (2013). Dealing with complexity differently: from interaction-dominant dynamics to theoretical plurality. *Ecological Psychology*, 25, 248-255.
- Duran, N. D.**, & Dale, R., Kello, C., Street, C. N. H.***, & Richardson, D. C. (2013). Exploring the movement dynamics of deception. *Frontiers in Cognitive Science*, 4, 1-16.
- Dale, R., **Duran, N. D.**, & Morehead, J. R.* (2012). Prediction during statistical learning, and implications for the implicit/explicit divide. *Advances in Cognitive Psychology*, 8, 196-209.
- Duran, N. D.**, & Dale, R., & Kreuz, R. J. (2011). Listeners invest in an assumed other's perspective despite cognitive cost. *Cognition*, 121, 22-40.
- Dale, R. & **Duran, N. D.** (2011). The cognitive dynamics of negated sentence verification. *Cognitive Science*, 35, 983-996.
- Myers, J. C.*, McCarthy, P. M., **Duran, N. D.**, & McNamara, D. S. (2011). The bit in the middle: A computational analysis of the linguistic features of body paragraphs. *Behavior Research Methods*, 43, 201-209.
- Duran, N. D.**, Dale, R., & McNamara, D. S. (2010). The action dynamics of overcoming the truth. *Psychonomic Bulletin & Review*, 17, 486-491.
- Duran, N. D.**, McCarthy, P. M., Hall, C., & McNamara, D. S. (2010). The linguistic correlates of conversational deception: Comparing natural language processing technologies. *Applied Psycholinguistics*, 31, 439-462.
- Bellissens, C., Jeuniaux, P., **Duran, N. D.**, McNamara, D. S. (2010). A text relatedness and dependency computational model: Using Latent Semantic Analysis and Coh-Metrix to predict self-explanation quality. *Studia Informatica Universalis*, 8, 85-125.
- McCarthy, P. M., Hall, C., **Duran N. D.**, Doiuchi, M., Duncan, B., Fujiwara, Y., & McNamara, D. S., (2009). A computational analysis of journal abstracts written by Japanese, American, and British scientists. *The ESPecialist*, 30, 141-173.
- Dale, R., Roche, J., & **Duran, N. D.** (2008). Language is complex. *International Journal of Psychology and Psychological Therapy*, 8, 351-362. **[Invited Article]**
- McCarthy, P. M., Renner, A. M.* Duncan, M. G., **Duran, N. D.**, Lightman, E. J.,* & McNamara, D. S. (2008). Identifying topic sentencehood. *Behavior Research Methods*, 40, 647-664.

Duran, N. D., McCarthy, P. M., Graesser, A. C., & McNamara, D. S. (2007). Using temporal cohesion to predict temporal coherence in narrative and expository texts. *Behavior Research Methods*, 39, 212-223.

Publications Under Review

Duran, N. D., Fusaroli, R., & Paxton, A. (*submitted*). ALIGN: Analyzing linguistic interactions with generalizable techniques – a Python library. *Psychological Methods*.

Yonehiro, J.** & **Duran, N. D.** (*submitted*). Measuring attention control abilities with a gaze following antisaccade paradigm. [Proceeding]. *Submitted to 40th Annual Conference of the Cognitive Science Society*.

Galati, A.***, Dale, R., & **Duran, N. D.** (*R&R Invitation*). Social and configural effects on the cognitive dynamics of perspective-taking. *Journal of Memory and Language*.

Publications in Progress

Duran, N. D., Randall, A., & Chun, T.** (*in progress*). Couple's coregulation during real-time interactions. **Status:** Data collected and analysis completed; initial draft in progress.

Duran, N. D., & Borrie, S. (*in progress*). The rhythm of successful communication. **Status:** Data collected and analysis completed, initial draft in progress.

Lau, K. H.**, Randall, A., Chun, T.**, & **Duran, N. D.** (*in progress*). Examining couples' coping responses using real-time conversational data: Language use as a mediator in the association between dyadic coping and interaction quality. **Status:** Data collected and analysis completed, initial draft in progress.

Duran, N. D. (*in progress*). The interpersonal coordination dynamics of persuasion during a group problem-solving task. **Status:** Data collected.

Published Technical Packages

Duran, N. D., Paxton, A., & Fusaroli, R. (2018). ALIGN (approved by PyPI). Python package that automatically computes multi-level linguistic alignment scores in conversational corpora. <https://pypi.python.org/pypi/align>

Coco, I. M.*** & **Duran, N. D.** (2015). Mousetrack (approved by CRAN). R package that extracts dynamical measures of arm-reaching movements from two-dimensional x-y trajectory coordinates. <https://cran.r-project.org/web/packages/mousetrack/index.html>

Refereed Conference Proceedings (6-page)

Grafsgaard, J.***, **Duran, N. D.**, Randall, A., Tao, C**, & D'Mello, S. (2018). Generative models of nonverbal synchrony in close relationships. *The 13th IEEE International Conference on Automatic Face and Gesture Recognition*, Xi'an, China. (8 pages; acceptance rate 46%, includes both talks and posters).

- Note: Computer Science has a unique publication structure in that conference proceedings are a widely accepted publication venue. The conference papers are stringently peer-reviewed, usually by at least three reviewers and by a meta-reviewer.

Heidari, A.**, D'Arienzo, M.**, Crossley, S. A., and **Duran, N. D.** (2017). Computational analysis of lexical and cohesion differences in deceptive language: The role of accordance. *In Proceedings of the 30th International Florida Artificial Intelligence Society Conference (FLAIRS 2017)*.

Duran, N. D., Nicholson, S., & Dale, R. (2015). Tracking the response dynamics of implicit partisan biases. *Proceedings of the 37th Annual Conference of the Cognitive Science Society*. Austin: TX: Cognitive Science Society.

- Coco, M. I.** & **Duran, N. D.** (2015). Incidental memory for naturalistic scenes: Exposure, semantics, and encoding. *Proceedings of the 37th Annual Conference of the Cognitive Science Society*. Austin: TX: Cognitive Science Society.
- Tabatabaieian, M.**, Dale, R., & **Duran, N. D.** (2014). Facilitation of dishonesty in self-serving tasks. *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 1562-1567). Austin: TX: Cognitive Science Society.
- Duran, N. D.** & Dale, R. (2012). Increased vigilance in monitoring others' mental states during deception. In N. Miyake, D. Peebles, & R. P. Cooper (Eds.), *Proceedings of the 34th Annual Conference of the Cognitive Science Society* (pp. 1518-1523). Austin: TX: Cognitive Science Society.
- McCarthy, P. M., **Duran, N. D.**, & Booker, L. M.** (2012). The devil is in the details: New directions in deception analysis. *In the Proceedings of the 25th Annual Conference of the International Florida Artificial Intelligence Research Society*, Marco Island, FL. **[Invited Proceeding]**
- Duran, N. D.** & Dale, R. (2011). Spatial cognition adapts to social context. *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 1111-1116). Boston, MA.
- Duran, N.D.**, Crossley, S., Hall, C., McCarthy, P., & McNamara, D. S. (2009). Expanding a catalogue of deceptive linguistic features with NLP technologies. *In the Proceedings of the 22nd Annual Conference of the International Florida Artificial Intelligence Research Society*, Sanibel Island, FL.
- Duran, N. D.** & Dale, R. (2009). Predictive arm placement in the statistical learning of position sequences. *Proceedings of the 31st Annual Conference of the Cognitive Science Society*. Amsterdam, Netherlands (pp. 893-898). Austin, TX: Cognitive Science Society.
- Bellissens, C., Jeuniaux, P., **Duran, N. D.**, & McNamara, D. S. (2007). Towards a textual cohesion model that predicts self-explanation inference generation as a function of text structure and readers' knowledge. In D. S. McNamara and G. Trafton (Eds.), *Proceedings of the 29th Annual Conference of the Cognitive Science Society*. Nashville, TN (pp. 815-820). Austin, TX: Cognitive Science Society.
- Duran, N. D.**, Bellissens, C., Taylor, R. S., & McNamara, D. S. (2007). Quantifying text difficulty with automated indices of cohesion and semantics. In D. S. McNamara and G. Trafton (Eds.), *Proceedings of the 29th Annual Conference of the Cognitive Science Society*. Nashville, TN (pp. 233-238). Austin, TX: Cognitive Science Society.
- Willits, J. A., D'Mello, S. K., **Duran, N. D.**, & Olney, A. (2007). Distributional statistics and thematic role relationships. In D. S. McNamara and G. Trafton (Eds.), *Proceedings of the 29th Annual Conference of the Cognitive Science Society*. Nashville, TN (pp. 707-712). Austin, TX: Cognitive Science Society.
- Duran, N. D.**, McCarthy, P. M., Graesser, A. C., & McNamara, D. S. (2006). Using Coh-Metrix temporal indices to predict psychological measures of time. In R. Sun & N. Miyake (Eds.), *Proceedings of the 28th Annual Conference of the Cognitive Science Society*. Vancouver, Canada (pp. 190-195). Austin, TX: Cognitive Science Society.

Book Chapters

- Vinson, D. W.**, Dale, R., Tabatabaieian, M**, & **Duran, N.D.** (2015). Seeing and believing: Social influences on language processing. In Mishra, R. K., Srinivasan, N., & Huettig, F. (Eds.) *Attention and Vision in Language Processing*. Springer: India. (pp. 197-213).
- Duran, N. D.**, & Dale, R. (2014). Theory of mind. In T. R. Levine (Ed.), *Encyclopedia of Deception* (pp. 883-886).

Duran, N. D., & Street, C. H.** (2014). Nonverbal cues. In T. R. Levine (Ed.), *Encyclopedia of Deception* (pp 721-724).

Dale, R., Fusaroli, R., **Duran, N. D.**, & Richardson, D. C. (2013). The self-organization of human interaction. In B. Ross (Ed.), *Psychology of Learning and Motivation*, vol. 59 (pp. 43-95). Elsevier, Inc: Academic Press.

Dale, R., **Duran, N. D.**, & Roche, J. (2011). Dynamics of action during language processing. In R. K. Mishra & N. Srinivasan (Eds.), *Language-Cognition Interface: State of the Art* (pp. 114-135). Muenchen: LINCOM Europa.

Commentaries

Duran, N. D., Dale, R., & Richardson, D. (2014). A mass assembly of associative mechanisms: a dynamical systems account of natural social interaction. *Behavioral and Brain Sciences (commentary)*, 37, 198.

Published Abstracts

Yonehiro, J.** & **Duran, N. D.** (2017). Measuring attention control abilities with a gaze-following antisaccade paradigm. *In the Proceedings of the 58th Annual Meeting of the Psychonomic Society*, Austin, TX: Psychonomic Society Publications.

Galati, A.***, **Duran, N. D.**, & Dale, R. (2017). Social and configural cues influence the cognitive dynamics of perspective-taking. *In the Proceedings of the 58th Annual Meeting of the Psychonomic Society*, Austin, TX: Psychonomic Society Publications.

Johnson, C. K.,** **Duran, N. D.**, & Nicholson, S. (2016). Caught in the middle: The implicit appeal of political partisan conspiracy theories for non-partisan responders. *In the Proceedings of the 57th Annual Meeting of the Psychonomic Society*, Austin, TX: Psychonomic Society Publications.

Duran, N. D. & Fusaroli, R. (2014). Conversing with a devil's advocate: Dialogical dynamics of movement and speech in deception and conflict [Abstract]. *In the Proceedings of the 55th Annual Meeting of the Psychonomic Society* (p. 81), Austin, TX: Psychonomic Society Publications.

Duran, N. D., Dale, R., & Kreuz, R. J. (2010). Nonlinear dynamics of perspective taking [Abstract]. *In the Proceedings of the 51st Annual Meeting of the Psychonomic Society* (p. 22). Austin, TX: Psychonomic Society Publications.

Duran, N. D., Dale, R., & McNamara, D. S. (2008). Does the arm know when you're lying? [Abstract]. *In the Proceedings of the 49th Annual Meeting of the Psychonomic Society* (p. 22). Austin, TX: Psychonomic Society Publications.

Duran, N. D., & Dale, R. (2008). Dynamic lexical processing evident in Wiimote trajectories [Abstract]. In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.), *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (p. 1281). Austin, TX: Cognitive Science Society.

Duran, N. D., & Burgess, C. (2004). Distinguishing pour, load, and fill verbs in high-dimensional memory space [Abstract]. *In the Proceedings of the 45th Annual Meeting of the Psychonomic Society* (p. 35). Austin, TX: Psychonomic Society Publications.

Presentations

Invited Symposia

- Duran, N. D.** & Coco, M.*** (2017). Formation of memory traces for complex scenes in action-dynamics trajectories. *Invited symposia talk given at the 20th Annual Conference of the European Society for Cognitive Psychology*. Potsdam, Germany.
- Duran, N. D.**, Tabatabaieian, M.**, & Dale, R. (2013). The temporal unfolding of response competition during deception. *Invited symposia talk given at the 10th Biennial Conference of the Society for Applied Research in Memory & Cognition*. Rotterdam, Netherlands.
- O'Hora, D. (organizer), **Duran, N. D.**, Dale, R., Freeman, J. B., & Tomlinson, J. M. Jr. (2013). Scales of cognition evident in action. *Proceedings of the 35th Annual Meeting of the Cognitive Science Society*. Berlin, Germany (symposium).
- Briner, S., & **Duran, N. D. (organizer)**. (2011). Cognition, AI, and human computer interaction. *Special Track for the 24th meeting of the Florida Artificial Intelligence Research Society*. (FLAIRS24)
- Duran, N. D (organizer)**, D'Mello, S., & Dale, R. (2010). Cognition and AI: Capturing cognitive plausibility and informing psychological processes. *Special Track for the 23rd meeting of the Florida Artificial Intelligence Research Society*. (FLAIRS23)

Invited Talks

- Duran, N. D.** (December, 2016). Exploring deception as a dynamical, socially-embedded, and multi-modal phenomenon. *Technical Talk, Georgia Tech Research Institute, Georgia Tech University, Atlanta, GA*.
- Duran, N. D.** (October, 2015). Doing cognition by hand (w/ false intent and implicit bias). *Barrett Honors College, Arizona State University West, Glendale, Arizona*.
- Duran, N. D.** (November, 2013). A multichannel, multimodal behavioral account of cheating, duplicity, and deceit. *Psychology Talk Series, Department of Psychology, Notre Dame University, South Bend, IN*.
- Duran, N. D.** (September, 2013). The intersection of cognitive dynamics and deception. *Cognitive Science Seminar, Department of Psychology, Arizona State University, Tempe, AZ*.

Refereed Conference Presentations (main presenter)

- Duran, N. D.**, Fusaroli, R., & Paxton, A.* (2015). Assessing lexical, syntactic, and conceptual turn-by-turn alignment in conversations involving conflict and deception. *Paper presented at the 45th Annual Meeting of the Society for Computers in Psychology*, Chicago, IL.
- Duran, N. D.**, Randall, A. K., & Tao, C.* (2015). Movement coupling of romantic partners elicited by neutral and emotionally arousing conversational topics. *Paper presented at the 2015 Conference on Complex Systems*. Tempe, AZ.
- Duran, N. D.**, Nicholson, S., & Dale, R. (2015). Tracking the response dynamics of implicit partisan biases. *Poster presented at the 37th Annual Conference of the Cognitive Science Society*. Pasadena, CA.
- Duran, N. D.** & Fusaroli, R. (2014). Conversing with a devil's advocate: Dialogical dynamics of movement and speech in deception and conflict. *Poster presented at the 55th Annual Meeting of the Psychonomic Society*, Long Beach, CA.

- Duran, N. D.** & Coco, M., & Dale, R. (2014). Beyond reaction time: Predicting false responding with arm movement trajectories. *Poster presented at the 27th Annual Conference of the International Florida Artificial Intelligence Research Society*, Pensacola, FL.
- Duran, N. D.** & Dale, R. (2012). Increased vigilance in monitoring others' mental states during deception. *Poster presented at the 34th Annual Conference of the Cognitive Science Society*. Sapporo, Japan.
- Duran, N. D.** & Dale, R. (2011). Creating illusory social connectivity in Amazon Mechanical Turk. *Paper presented at the Crowdsourcing Technologies for Language and Cognition Studies Workshop (in conjunction with the Linguistic Society of America Summer Institute)*. University of Colorado, Boulder.
- Duran, N. D.** & Dale, R. (2011). Spatial cognition adapts to social context. *Poster presented at the 33rd Annual Conference of the Cognitive Science Society*. Boston, Massachusetts: Cognitive Science Society.
- Duran, N. D.** & McCarthy, P. M. (2010). The language of deception. *Paper presented at the 23rd Annual Conference of the International Florida Artificial Intelligence Research Society*, Daytona Beach, FL.
- Duran, N. D.** & Dale, R. (2009). Anticipatory arm placement in the statistical learning of position sequences. *Poster presented at the 31st Annual Conference of the Cognitive Science Society*. Amsterdam, Netherlands: Cognitive Science Society.
- Duran, N. D.**, Hall, C., & McCarthy, P. M. (2009). Using statistically improbable n-gram features to reveal the thematic content of deception. *Paper presented at the 39th Annual Meeting of the Society for Computers in Psychology*, Boston, MA
- Duran, N. D.**, Hall, C., McCarthy, P. M., & McNamara, D. S. (2009). The linguistic correlates of conversational deception: Comparing natural language processing technologies. *Paper presented at the 22nd Annual Conference of the International Florida Artificial Intelligence Research Society*, Sanibel Island, FL.
- Duran, N. D.**, Dale, R., & McNamara (2008). The continuous dynamics of false responding. *Paper presented at the 38th Annual Meeting of the Society for Computers in Psychology*, Chicago, IL.
- Duran, N. D.**, & Dale, R. (2008). Dynamic lexical processing evident in Wiimote trajectories. *Poster presented at the 30th Annual Conference of the Cognitive Science Society*. Washington, D. C.
- Duran, N. D.**, Dale, R., & McNamara, D. S. (2008). Automated detection of coordination between child and caregivers using natural language processing. *Paper presented at the 18th Annual Meeting of the Society for Text and Discourse*, Memphis, TN. **(Outstanding Student Paper Award)**
- Duran, N. D.**, Bellissens, C., Taylor, R. S., & McNamara, D. S. (2007). Quantifying text difficulty with automated indices of cohesion and semantics. *Paper presented at the 29th Annual Conference of the Cognitive Science Society*, Nashville, TN.
- Duran, N. D.**, McCarthy, P.M., Bellissens, C., McNamara, D. (2007). What makes a text difficult? *Paper presented at the 17th Annual Meeting of the Society for Text and Discourse*, Glasgow, Scotland.
- Duran, N. D.**, & Lightman, E.** (2006). Are gender differences between Venusians and Martians out of this world?: A computational approach for assessing linguistic style. *Paper presented at the Southeastern Conference on Linguistics (SECOL LXXIII)*, Auburn, AL.
- Duran, N. D.**, McCarthy, P. M., Graesser, A. C., & McNamara, D. S. (2006). Using Coh-Metrix temporal indices to predict psychological measures of time. *Paper presented at the 28th Annual Conference of the Cognitive Science Society*, Vancouver, BC, Canada.

- Duran, N. D.**, McCarthy, P., Hancock, J., & McNamara, D. S. (2006). Discovering where the truth *lies*: Using Coh-Metrix to detect deception in text. *Paper presented at the 36th Annual Meeting of the Society for Computers in Psychology*, Houston, Texas.
- Duran, N. D.**, & McNamara, D. S. (2006). It's about time: Discriminating differences in temporality between genres. *Poster presented at the 16th Annual Meeting of the Society for Text and Discourse*, Minneapolis, MN.
- Duran, N. D.**, & Burgess, C. (2004). Distinguishing pour, load, and fill verbs in high-dimensional memory space. *Poster presented at the 45th Annual Meeting of the Psychonomic Society*, Minneapolis, MN.
- Duran, N. D.**, Burgess, C., & Hatzopoulos, A. (2004). Assessing HAL's vocabulary intelligence. *Paper presented at the 34th Annual Meeting of the Society for Computers in Psychology*, Minneapolis, MN.
- Duran, N. D.** (2004). Mimicking human verbal intelligence: HAL and the Nelson-Denny vocabulary test. *Paper presented at the 13th Annual UCLA Psychology Undergraduate Conference*, Los Angeles, CA.
- Duran, N. D.** (2004). An alternative to innateness: Distinguishing pour and load verbs in high-dimensional memory space. *Paper presented at the 13th Annual UCLA Psychology Undergraduate Conference*, Los Angeles, CA.
- Duran, N. D.** (2004). Inhibitions to the social self: Perceptions of trustworthiness and social phobia. *Poster presented at the 13th Annual UCLA Psychology Undergraduate Conference*, Los Angeles, CA.

Refereed Conference Presentations (not main presenter - last 7 years – 2012-2018)

- Lau, K. K. H.**, Tao, C.**, Randall, A. K., & Duran, N. (2018, August). Associations between couples' stress and negative coping responses using real-time conversational data. *Paper to be presented at the 126th Annual American Psychological Association Convention*, San Francisco, CA.
- Galati, A.***, **Duran, N. D.**, & Dale, R. (2017). Social and configural effects on the cognitive dynamics of perspective-taking. *Symposia talk given at the 20th Annual Conference of the European Society for Cognitive Psychology*. Potsdam, Germany.
- Yonehiro, J.**, **Duran, N. D.**, & Borrie, S. A. (2017). The contribution of speech rhythms to listener perceptions of likability and comprehensibility. *Poster presented at the 29th Annual Convention for the Association for Psychological Science*, Boston MA.
- Hart, J.** & **Duran, N. D.** (2017). A novel model of insight problem solving as a stochastic dynamical system. *Poster presented at the 29th Annual Convention for the Association for Psychological Science*, Boston MA.
- Johnson, C.**, **Duran, N. D.**, & Nicholson, S. (2016). Caught in the middle: The implicit appeal of political partisan conspiracy for non-partisan responders. *Poster presented at the 57th Annual Meeting of the Psychonomic Society*, Boston, MA.
- Hart, J.,* Johnson, C.,** & **Duran, N. D.** (2016). Insight in motion: Using 3D motion capture to track cognitive activity during insight problem solving. *Poster presented at the 37th Annual Conference of the Cognitive Science Society*. Philadelphia, PA.
- Gonzales, J. P.,** Hart, J.,* & **Duran, N. D.** (2016). Using mouse-tracking to measure effects of power on sexual cognition. *Poster presented at the Western Psychological Association Annual Convention*. Long Beach, CA.
- Hart, J.,* Johnson, C.,** & **Duran, N. D.** (2016). Motion capture of phase change transitions during insight problem solving. *Poster presented at the Western Psychological Association Annual Convention*. Long Beach, CA.

- D'Arienzo, M.**, **Duran, N. D.**, & Crossley, S.A. (2015). Lying and lexicality: Using computational tools to detect deception. *Poster presented at the 2015 Atlanta Computational Social Science Workshop*. Atlanta, GA.
- Heidari, A.**, Crossley, S. A., & **Duran, N. D.** (2015). Extracting cohesive indices of deceptive language using TAACO. *Poster presentation at Atlanta Computational Social Science Workshop (CSS 2015)*. Atlanta, GA.
- Coco, M. I.*** & **Duran, N. D.** (2015). Incidental memory for naturalistic scenes: Exposure, semantics, and encoding. *Poster presented at 37th Annual Conference of the Cognitive Science Society*. Pasadena, CA.
- Randall, A., **Duran, N. D.**, & Hilpert, P. (2014). Couple's communication dynamics: Measuring Intra- and inter-personal dynamics during real-time interaction. *Paper presented at the Workshop on Intensive Modeling of Dynamic Social Interactions*, Tuscon, AZ.
- Fusaroli, R., & **Duran, N. D.** (2014). Dialogical dynamics in conflict and deception. *Presented at the Biennial Conference of the International Society for the Study of Interactivity, Language, and Cognition*. Storrs, CT.
- Tabatabaieian, M.*, Dale, R., & **Duran, N. D.** (2014). Facilitation of dishonesty in self-serving task. *Paper presented at the 36th Annual Conference of the Cognitive Science Society*. Quebec City, Canada.
- Tabatabaieian, M.**, Dale, R., & **Duran, N. D.** (2013). Is dishonesty an automatic tendency?. *Paper presented at the 35th Annual Conference of the Cognitive Science Society*. Berlin, Germany.
- Dale, R., Paxton, A.**, & **Duran, N. D.** (2013). How interactive goals shape the coordination of body and speech during conversation. *Paper presented at the 25th Annual American Psychological Association Conference*, Washington, DC.
- Sinclair, V.**, Webb, N.**, **Duran, N. D.**, Richardson, D. C. (2013). It ain't what you do, it's the way you do it: Contingency and similarity in behavioral coordination. *Poster presented at the 5th Annual Joint Action Meeting*, Berlin, Germany.
- McCarthy, P. M., **Duran, N. D.**, & Booker, L. M.** (2012). New directions in deception analysis. *Paper presented at the 25th Annual Conference of the International Florida Artificial Intelligence Research Society*, Marco Island, FL.

Local Presentations (ASU West - last 4 years - 2015-2018)

- Yonehiro, J.** & **Duran, N. D.** (2017, December). Measuring attention control abilities with a gaze-following antisaccade paradigm. *Poster presented at the ASU Institute for Social Science Research Graduate Student Poster Competition*, Arizona State University, Tempe, Arizona. **(Received 2nd Place for Proposed Research Category)**
- Duran, N. D.** (2017, January). The impact of machine learning and big data on psychological research. *Big Data Seminar in the School of Mathematical and Natural Sciences*, Arizona State University West, Glendale, Arizona.
- Yonehiro, J.** Sun, X.**, Borrie, S., & **Duran, N. D.** (2016, December). The rhythm of successful communication. *Poster presented at the ASU Institute for Social Science Research Graduate Student Poster Competition*, Arizona State University, Tempe, Arizona. **(Received 3rd Place for Proposed Research Category)**
- Hart, J.,* Johnson, C.**, **Duran, N. D.** (2016, April). Insight in motion: Using 3D motion capture to track cognitive activity during insight problem solving. *Poster presented at the ASU Research and Creative Project Symposium*, Arizona State University West, Glendale, Arizona. **(Received 2nd Place for Best NCUIRE Non-Presented Research or Creative Project)**

Duran, N. D. (2016, April). New technologies and the frontiers of psychology research. *Keynote presentation at the Broadening Perspectives Research Expo*, Arizona State University West, Glendale, Arizona.

Johnson, C.**, **Duran, N. D.** (2016, April). Opening the black box: Political conspiracies and implicit bias. *Poster presented at the Broadening Perspectives Research Expo*, Arizona State University West, Glendale, Arizona.

Hart, J.*, Johnson, C.**, & **Duran, N. D.** (2015, October). Insight in motion: Using 3D motion capture to track cognitive activity during insight problem solving. *Student poster presented at the 18th Annual NCUIRE Scholarship Recognition Reception*, Arizona State University West, Glendale, Arizona.

Duran, N. D. (2015, September). Lies, love, and the dynamics of body and mind. *Presentation at the Cognitive Psychology Brown Bag*, Arizona State University West, Glendale, Arizona.

Duran, N. D. (2015, March). Hand in motion reveals mind in motion. *Presentation at the Cognitive Psychology Brown Bag*, Arizona State University West, Glendale, Arizona.

Gonzales, J.**, Hart, J.*, & **Duran, N. D.** (2015, March). Measuring the effects of power on goal-driven motor behavior and sexual perception via computer mouse-tracking. *Poster presented at the New Open Door at ASU West NCUIRE*, Arizona State University West, Glendale, Arizona. **Teaching**

Ground (Undergraduate)

PSY 323 Sensation and Perception (Upper Division), **Fall 2015**: Overall teaching rating of 4.8 out of 5 from 45 respondents along dimensions of: competence, interaction, interested, knowledgeable, and organization; **Fall 2013**: Overall teaching rating of 4.6 out of 5 from 25 respondents along dimensions of: competence, interaction, interested, knowledgeable, and organization

PSY 494/COM 494 Language and Social Interaction (Upper Division), **Fall 2014**: Overall teaching rating of 4.6 out of 5 from 16 respondents along dimensions of: competence, interaction, interested, knowledgeable, and organization.

PSY 399/PSY 499 Supervised Research/Individual Instruction, **Spring 2014** (3 students), **Fall 2014** (5 students), **Spring 2015** (4 students), **Fall 2015** (6 students), **Spring 2016** (4 students), **Fall 2016** (6 students), **Spring 2017** (3 students), **Fall 2017** (2 students), **Spring 2018** (5 students)

Online (Undergraduate)

PSY 323 Sensation and Perception (Upper Division- iCourse), **Fall 2017**; **Spring 2016**; **Spring 2015**: Overall teaching rating of 4.9 out of 5 from 25 respondents along dimensions of: competence, interaction, interested, knowledgeable, and organization.

PSY 360 Cognitive Science (iCourse and oCourse), **Fall 2017**; **Fall 2016**; **Fall 2015**: Overall teaching rating of 4.8 out of 5 from 31 respondents along dimensions of: competence, interaction, interested, knowledgeable, and organization.

Ground (Graduate)

PSY 598 Language and Social Interaction, **Spring 2014**

PSY 598 Advanced Cognitive Science, **Spring 2017**; **Spring 2016**

Online (Graduate)

PSY 598 Advanced Cognitive Science, **Spring 2018**

Other

Co-Instructor, "Learning and Cognitive Processes" (Undergraduate Honors), University of Memphis, Spring 2010: Mean teaching rating: Average scores of 4.5 out of 5, or greater, from 10 respondents along dimensions of: competence, interaction, interested, knowledgeable, and organization.

Teaching Assistant, “Nonlinear Methods for Psychological Science”, American Psychological Association (APA) Advanced Training Institute, University of Cincinnati, Cincinnati, OH (June 8th-12th, 2009)

Student Mentoring

Graduate Students

Thesis Chair (MA): 5

Applied Project Chair (MA): 2

Thesis Committee Member (MA): 9; Comp Exams Committee Member (MA/PhD): 2; Dissertation Committee Member (PhD): 2

Undergraduate

32 unique students have worked with me as research assistants for course credit

Barrett, Honors College Thesis Chair: 1

Barrett, Honors College Projects: 8

ASU NCUIRE Fellowship Recipients: 1

ASU NCUIRE Research Assistant Recipients: 3

Service

Arizona State University

Department/University Service

Psychology Subject Pool Coordinator (SONA), 2016-

New College Faculty Ambassador, 2013-

Graduate Faculty, Department of Psychology, 2013-

Affiliated Faculty, Cognitive Science Program, 2013-

Barretts, Honors College Faculty, 2014-

Faculty Search Committee, Cognitive, 2016-2017

Faculty Search Committee, Lecturer, 2017

Co-organizer of Weekly Psychology Brown Bag, 2014-2016

Community Service

“Fake.” (2018, March-June). Science Gallery, Trinity College Dublin, Collaborator and Organizer. Award: €2800

- International, large-scale public engagement event that uses an experimental paradigm from my research (Duran, Dale, & McNamara, 2010) to showcase cognitive techniques in deception detection. Twenty exhibits selected from competitive pool of applications.

“Open Door” ASU West Campus Event, Faculty Participant, Spring 2014, Spring 2015, Spring 2017, Spring 2018

“Broadening Perspectives Research Expo,” ASU West Campus Event in Collaboration with ASU West chapter Psi Chi and Glendale Community College, Keynote Speaker, Spring 2016

“Undergraduate Research Symposium” ASU West Campus Event, Faculty Judge, Spring 2014, Spring 2017

“More to Explore” ASU West Campus Event, Faculty Participant, Spring 2017, Spring 2016

“Road to the University” ASU West Campus Event, Faculty Participant, Fall 2015

“University Scholars Summer Collegiate Experience,” Faculty Participant, Summer 2014

University of California, Merced/ The University of Memphis

Community Service

“Misperceived science: Obtaining a realistic public perception.” (October, 2012). University College London on behalf of The Wellcome Trust. Train and Engage Grant Award: £750. Collaborator and Presenter

Department/University Service

President, Graduate Student Coordinating Committee, University of Memphis, 2009-2010

President, Institute for Intelligent Systems Student Organization, 2009-2010

Experimental Program Representative, Graduate Student Coordinating Committee, 2006- 2007

Reviewer

Journals

Advances in Cognitive Psychology, Applied Cognitive Psychology, Applied Psychophysiology and Biofeedback, Behavior and Research Methods, Cognitive Processing, Cognitive Science, Cognition, Discourse Processes, Frontiers in Psychology, Journal of Experimental Psychology: Applied, Journal of Experimental & Theoretical Artificial Intelligence, Journal of Experimental Psychology: General, Memory & Cognition, Journal of Experimental Psychology: Learning, Memory, and Cognition, New Ideas in Psychology, PLoS ONE, Psychological Research, Psychological Science, Quarterly Journal of Experimental Psychology

Conferences

Cognitive Science Society, European Conference on Cognitive Science, Florida Artificial Intelligence Research Society, Israel Science Foundation, Society for Text and Discourse

Please also see <https://publons.com/author/987911/nicholas-duran#profile> for verified documentation of reviews since 2015

Guest Editor

Guest Editor, PLoS ONE

Selected Honors and Awards

Outstanding Student Paper Award, Society for Text and Discourse, 2008

Roland L. Frye Achievement Award for Outstanding Achievement in Experimental Psychology Research, University of Memphis, Department of Psychology, 2007-2008 (awarded to a single student)

Program Directors Award for Excellence, University of Memphis, Department of Psychology, Graduate 2005-2006 (awarded to a single student)

Outstanding Student for the College of Humanities, Arts, and Social Sciences, University of California, Riverside, 2003-2004 (awarded to a single student in the College)

Academic Program Excellence Award for Psychology, University of California, Riverside, Department of Psychology, 2003-2004 (awarded to a single student in the Department)

Current/Past Professional Memberships

Cognitive Science Society, Complex Systems Society, Psychonomics Society, Society for Text and Discourse, Society for Computers in Psychology, American Psychological Association

Additional Training

Master Class For Teaching Online, ASU Online Ed Plus, July 2017.

Nonlinear Methods for Psychological Science, American Psychological Association (APA) Advanced Training Institute, University of Cincinnati, Cincinnati, OH, June 9th-13th, 2008.

Dynamical and Nonlinear Analysis of Communication and Problem Solving Training Seminar, University of Radbaud, Nijmegen, Netherlands, January 12th-14th, 2008.

Technical Skills

Formal Languages: Python, R, Matlab, ActionScript 3

Math/Statistical/Tools: Python (SciPy, NumPy, NLTK, pandas, ...), R (lmer, dplyr, ggplot2, ...), Matlab, SPSS, SAS, Jupyter, Conda, RStudio, Latex, Weka

Survey Software: Qualtrics, Amazon Mechanical Turk

Media Recognition

Danish News Outlet: videnskab.dk/, "How to Spot a Lie," July 14, 2017

<https://videnskab.dk/krop-sundhed/saadan-spotter-du-en-loegn>

PBS Arizona Horizon Interview, "Politicians Lying Research," March 1, 2016

<http://www.azpbs.org/arizonahorizon/play.php?vidId=8422>

DialSmith, "ASU Researchers Dial in to How Romantic Couples Regulate Stressful Interactions," July 5th, 2016

<http://www.dialsmith.com/academic-research/asu-researchers-dial-romantic-couples-regulate-stressful-interactions>

ASU Now News, "Body Politics," February 8th, 2016

<https://asunow.asu.edu/20160210-discoveries-body-politics>

UC Merced News, "Postdoc Demystifies the Art of Deception," April 4th, 2013

<http://ssha.ucmerced.edu/content/postdoc-demystifies-art-deception>