Hossein Karimi

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EDUCATION

- ❖ Assistant professor of Psychology at Mississippi State University. August 15th, 2020-to date.
- ❖ Postdoctoral fellow at Penn State University. September 1st, 2017- July 15th, 2020.
- ❖ PhD in Psychology, University of California at Davis, July 2017.
    - • PhD Dissertation: "The Role of Memory Retrieval during Referential Processing"
        Supervisor: Dr. Fernanda Ferreira
- ❖ MSc student of Psychology of Language, University of Edinburgh, UK, July 2011.
    - • MSc thesis: "The effect of Noun Phrase length on the form of referring expressions".
        Supervisor: Dr. Martin Pickering

TEACHING INTERESTS

- ❖ Psycholinguistics; Statistics; Experimental Design; General Psychology; Cognitive Psychology; Cognitive Neuroscience.

TEACHING EXPERIENCE

- ❖ Instructor of record for the Psychological Statistics course. University of South Carolina, 2014.
- ❖ Instructor for the lab portion of Statistics courses, University of South Carolina, 2013.
- ❖ Instructor for the review sessions of Experimental Design courses, University of California, Davis, 2016.
- ❖ Teaching assistant for general and cognitive psychology courses at the University of California, Davis. September 2015-2017.
- ❖ Teaching assistant for general and cognitive psychology courses at the University of South Carolina. January 2012-May 2015.
- ❖ Instructor of record for GRE preparatory courses. Amir Bahador Institute, Tehran, Iran. 2008-2010.
- ❖ Instructor of record for TOEFL preparatory courses. University of Tehran, Tehran, Iran. 2006-2010.

RESEARCH INTERESTS

- ❖ The role of memory during language processing.
- ❖ The effect of cognitive aging on memory and language function.
- ❖ The effect of predictability and entropy on language processing.
- ❖ The effect of interacting with nature on cognitive function.

PEER REVIEWED JOURNAL PUBLICATIONS

❖ **Karimi, H.,** Diaz, M., & Ferreira, F. (2020). Misspoken words affect the perception and retrieval of intended words. *Language, Cognition and Neuroscience*, 1-17.

❖ **Karimi, H.,** & Diaz, M. (2020). When phonological neighborhood density both facilitates and impedes: Age of acquisition and name agreement interact with phonological neighborhood during word production. *Memory & cognition*, *48*(6).

❖ Gertel, V. H., **Karimi, H.,** Dennis, N. A., Neely, K. A., & Diaz, M. T. (2020). Lexical frequency affects functional activation and accuracy in picture naming among older and younger adults. *Psychology and Aging*.

❖ **Karimi, H.,** Brothers, T., & Ferreira, F. (2019). Phonological versus Semantic Prediction in Focus and Repair Constructions: No Evidence for Differential Predictions. *Cognitive psychology*, *112*, 25-47.

❖ **Karimi, H.,** & Ferreira, F. & Diaz., M. (2019). "A cruel king" is not the same as "a king who is cruel": Modifier position affects how words are encoded and retrieved from memory. *Journal of Experimental Psychology: Learning, Memory and Cognition*.

❖ **Karimi, H.,** Swaab, T., & Ferreira, F. (2018). Electrophysiological Evidence for an Independent Effect of Memory Retrieval on Referential Processing. *Journal of Memory and Language*, *102*, 68-82.

❖ **Karimi, H.,** & Ferreira, F. (2016). Informativity renders a referent more accessible: Evidence from eyetracking. *Psychonomic bulletin & review*, 1-19.

❖ **Karimi, H.,** & Ferreira, F. (2016). Good-enough linguistic representations and online cognitive equilibrium in language processing. *The Quarterly Journal of Experimental Psychology*, 1-28.

❖ Kardan, O., Demiralp, E., Hout, M. C., Hunter, M. R., **Karimi, H.,** Hanayik, T., Yourganov, G., Jonides, J., & Berman, M. G. (2015). Is the preference of natural versus man-made scenes driven by bottom–up processing of the visual features of nature?. *Frontiers in psychology*, *6*.

❖ **Karimi, H.,** Fukumura, K., Ferreira, F., & Pickering, M.J. (2014). The effect of noun phrase length on the form of referring expressions. *Memory & Cognition, 42,* 993-1009.

❖ Berman, M. G., Hout, M. C., Kardan, O., Hunter, M. R., Yourganov, G., Henderson, J. M., Hanayik, T., **Karimi, H.,** & Jonides, J. (2014). The Perception of Naturalness Correlates with Low-Level Visual Features of Environmental Scenes. *PloS one*,*9*(12), e114572.

SUBMITTED MANUSCRITPS

❖ **Karimi, H.,** Diaz, M.T., (submitted). Encoding and Retrieval of Phonologically Similar Words during Sentence Comprehension across Young and Older adults.

❖ Diaz, M.T., **Karimi, H.,** Troutman, S.B.W., Gertel, V.H., Cosgrove, A.L., Zhang. H. (submitted). Neural sensitivity to phonological characteristics is stable across the lifespan.

BOOK CHAPTERS

❖ Ferreira, F., & **Karimi, H.** (2015). Prosody, Performance, and Cognitive Skill: Evidence from Individual Differences. In *Explicit and Implicit Prosody in Sentence Processing* (pp. 119-132). Springer International Publishing.

PROJECTS IN PROGRESS

❖ The effects of semantic and phonological neighborhood density as well as aging on language production and comprehension.
❖ The neural underpinnings of the semantic and phonological neighborhood density effects.
❖ Memory retrieval and memory interference during language processing in older adults.
❖ The effect of disfluencies on the processing of upcoming words.
❖ The effect of information entropy on the form of referring expressions.

INVITED TALKS

❖ Encoding and Retrieval during referential processing. Talk presented at the University of Tehran, Tehran. June, 2019.

❖ The effect of Representational Richness on Memory Retrieval during Referential Processing. Talk presented at the University of California, San Diego. December, 2018.

PROFESSIONAL SERVICE

❖ Manuscript reviews for the following journals: *Cognitive Psychology, Journal of Memory and Language, Cognitive Science, Journal of Experimental Psychology: Learning, Memory and Cognition*, *Journal of Cognitive Science*, *Second Language Research*, *Quarterly Journal of Experimental Psychology*, *eNeuro*.

❖ Abstract review for the 30th, and the 31st CUNY Conference on Human Sentence Processing, and the 39th and the 40th Cognitive Science Society Conference.

❖ Member of the organizing committee for CUNY 2013. Hosted by the University of South Carolina, Columbia, SC, USA.

PROFESSIONAL SKILLS
❖ Advanced statistics with R
❖ Advanced data visualization with ggplot2
❖ Functional programming with R
❖ Intermediate programming with Python and MATLAB

EMPLOYMENT

❖ Mississippi State University, Starkville, MS (August 15- to date)
❖ Pennsylvania State University, State College, PA (September 2017-present).
❖ University of California at Davis, Davis, CA (May 2015-July 2017).
❖ University of South Carolina, Columbia, SC (January 2012-May 2015).
❖ Iranian Ministry of Education, Tehran, Iran (2003-2009).

AWARDS AND HONORS
❖ CUNY 2017 travel award (Human Sentence Processing Conference), 2017.
❖ Fellowship for Kavli Summer Institute in Cognitive Neuroscience. Santa Barbara, 2017.
❖ Duke Travel Award. University of California, Davis, 2016.
❖ University of South Carolina, Graduate Department Travel Award, 2014.
❖ Edinburgh Global Master's Scholarship, University of Edinburgh, 2010.
❖ Exemplary teacher for two years in a row (2008 & 2009), Shahid Kafi Junior High School, Tehran, Iran.
❖ Ranked 9 in the national master's examination, Iran, 2006.
❖ Ranked 3 in Associate-to-Bachelor's examination, Azad University, Iran, 2004.

CONFERENCE PRESENTATIONS

❖ **Karimi, H.,** Diaz, M., & Wittenberg, E (2020). Sheer Time Spent Expecting or Maintaining a Representation Facilitates Subsequent Retrieval during Sentence Processing. Poster to be presented at the 42nd Annual Virtual Meeting of the Cognitive Science Society, Toronto, Canada. [virtual conference]

❖ **Karimi, H.,** Diaz, M., & Wittenberg, E (2020). Explaining away the ease of retrieving "alleged Venezuelan communists": Attention and time spent, not semantic complexity alone, predict reading times. Poster to be presented at

the 33rd Annual CUNY Human Sentence Processing Conference. Amherst, Massachusetts.

❖ **Karimi, H.,** Diaz, M. T., (2019). Encoding and Retrieval of Phonologically Similar Words across Young and Older Adults. Poster to be presented at the 60th meeting of the Psychonomic Society, Montréal, Canada.

❖ Diaz, M. T., Gertel, V. H., **Karimi, H.,** Troutman, S. B. W., Cosgrove, A., Zhang, H., & Fernandez, C. F. (2019). How Aging Affects the Neural Basis of Phonological and Semantic Neighborhood Density. Poster presented at the 11th meeting of the Society for the Neurobiology of Language, Helsinki, Finland.

❖ Diaz, M., Eppes, A., Gertel, V., **Karimi, H.,** Winter, S. & Hu, B. (2018). The Neural Basis of Phonological and Semantic Neighbourhood Density. Poster presented at the 10th meeting of the Society for the Neurobiology of Language, Quebec City, Quebec, Canada.

❖ **Karimi, H.,** Ferreira, F., & Diaz, M. (2018). Encoding semantically rich words: The relative effects of reactivation and distinctiveness. Poster presented at the 31st Annual CUNY Sentence Processing Conference, University of California, Davis, CA, USA.

❖ **Karimi, H.,** Swaab, T., & Ferreira, F. (2017). Electrophysiological evidence for memory retrieval during referential processing. Poster presented at the 9th meeting of the Society for the Neurobiology of Language, Baltimore, Maryland, USA.

❖ **Karimi, H.,** & Ferreira, F. (2017). Misspoken words are encoded and retrieved along with intended words during referential processing. Poster presented at the 30th Annual CUNY Sentence Processing Conference, Massachusetts Institute of Technology (MIT), Cambridge, MA, USA.

❖ **Karimi, H.,** Swaab, T., & Ferreira, F. (2017). Ease of memory retrieval but not entropy influences pronoun resolution. Poster presented at the 30th Annual CUNY Sentence Processing Conference, Massachusetts Institute of Technology (MIT), Cambridge, MA, USA.

❖ **Karimi, H.,** Brothers, T., & Ferreira, F. (2017). Semantic and phonological prediction during the comprehension of misspoken words. Poster presented at the 30th Annual CUNY Sentence Processing Conference, Massachusetts Institute of Technology (MIT), Cambridge, MA, USA.

❖ **Karimi, H.,** & Ferreira, F. (2016). What is encoded cannot be unencoded: Misspoken words are encoded and retrieved along with intended words during referential processing. Poster presented at the 57th Annual Meeting of Psychonomic Society, Boston, MA, USA.

❖ **Karimi, H.,** & Ferreira, F. (2016). Conceptual representations of edited words linger in working memory: Evidence from pronoun production. Poster presented at the International Workshop on Language Production, San Diego, CA, USA.

- ❖ **Karimi, H.,** Swaab, T., & Ferreira, F. (2016). Good-Enough pronoun processing: The effect of memory retention. Poster presented at the 24th Annual Meeting of Cognitive Neuroscience Society, New York City, NY, USA.

- ❖ **Karimi, H.,** & Ferreira, F. (2015). The Effect of Referent Informativity on Pronoun Resolution. Poster presented at the 28th Annual CUNY Sentence Processing Conference, University of Southern California, Los Angeles, CA, USA.

- ❖ **Karimi, H.,** & Ferreira, F. (2015). The Effect of Disfluencies on the Production of Referring Expressions. Poster presented at the 28th Annual CUNY Sentence Processing Conference, University of Southern California, Los Angeles, CA, USA.

- ❖ **Karimi, H.,** & Ferreira, F. (2014). The effect of length on the resolution of ambiguous pronouns. Poster presented at the 54th meeting of the Psychonomic Society, Long Beach, CA, USA.

- ❖ **Karimi, H.,** & Ferreira, F. (2014). The Middle matters the most: The effect of phonological similarity on referring forms. Poster presented at the 27th Annual CUNY Sentence Processing Conference, Ohio State University, Columbus, OH, USA.

- ❖ **Karimi, H.,** Fukumura, K., Pickering, M., J., & Ferreira, F. (2013). The effect of noun phrase length on the form of referring expressions. Poster presented at the 26th Annual CUNY Sentence Processing Conference, University of South Carolina, Columbia, SC, USA.

- ❖ **Karimi, H.,** Fukumura, K. & Pickering, M., J. (2012). The effect of length on the production of referring expressions. Poster presented at the NCCC conference, University of North Carolina, Chapel Hill, NC, USA.

- ❖ **Karimi, H.** (2008). Group formation in classroom: bringing students into play. Talk presented at the Post Graduate Conference, University of Tehran, Tehran, Iran.

REFERENCES

- ❖ Michele Diaz, Professor of Psychology, Pennsylvania State University, mtd143@psu.edu

- ❖ Fernanda Ferreira, Professor of Psychology, University of California at Davis, fferreira@ucdavis.edu

❖ Tamara Swaab, Professor of Psychology, University of California at Davis, swaab@ucdavis.edu

❖ Martin Pickering, Professor of Psychology, University of Edinburgh, martin.pickering@ed.ac.uk