

Curriculum Vitae

AARON D. LIKENS, PH.D.

*Center for Research on Human Movement Variability
Department of Biomechanics
University of Nebraska Omaha
6001 Dodge St., Omaha NE 68182-0202
(405) 200-*

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15. Likens, A. D., Amazeen, P. G., Stevens, R., Galloway, T., & Gorman, J. C. (2014). Neural signatures of team coordination are revealed by multifractal analysis. *Social Neuroscience*, 9(3), 219-234.
16. Stevens, R., Gorman, J. C., Amazeen, P., Likens, A. D., & Galloway, T. (2013). The organizational neurodynamics of teams. *Nonlinear Dynamics, Psychology, and Life Sciences*, 17(1), 67-86.

Book Chapters

1. Likens, A. D., & Stergiou, N. (2020). A tutorial on fractal analysis of human movements. In N. Stergiou (ed). *Biomechanics and Gait Analysis*. London: Academic Press.
2. Likens, A. D., & Stergiou, N. (2020). Basic biomechanics. In N. Stergiou (ed). *Biomechanics and Gait Analysis*. London: Academic Press.
3. Likens, A. D., & Stergiou, N. (2020). Coordination and Control: A dynamical systems approach to the analysis of human gait. In N. Stergiou (ed). *Biomechanics and Gait Analysis*. London: Academic Press.
4. Rowen, D., Likens, A. D., & Stergiou, N. (2020). Revisiting a classic: Muscles, reflexes, and locomotion by TA McMahon. In N. Stergiou (ed). *Biomechanics and Gait Analysis*. London: Academic Press.
5. Wiltshire, T. J., Steffensen, S. V., & Likens, A. D. (2020). Challenges for using coordination-based measures to augment collaborative social interactions.
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Conference on Learning Analytics & Knowledge (LAK 18) in Sydney, NSW, Australia, (pp. 111-120). New York, NY: ACM.

3. Bracken, B. K., Amazeen, P. G., **Likens, A. D.**, Demir, M., & Gibbons, C. T. (2018). Comparison of a custom functional near-infrared spectroscopy sensor, a peripheral SpO₂ sensor, and a standard laboratory sensor (BIOPAC) for RR interval assessment. In H. Gamboa, S. Badia, G. Saggio, A. Fred (Eds.), BIOSIGNALS 2018 - 11th International Conference on Bio-Inspired Systems and Signal Processing, Proceedings (pp. 281-285).
4. **Likens, A. D.**, McCarthy, K. M., Allen, L. K., & McNamara, D. S. (2018). Recurrence Quantification Analysis as a Method for Studying Text Comprehension Dynamics. In A. Pardo, K. Bartamote-Aufflick, & G. Lynch (Eds.), Proceedings of the 8th International Conference on Learning Analytics & Knowledge (LAK 18) in Sydney, NSW, Australia, (pp. 111-120). New York, NY: ACM.
5. Allen, L. K., **Likens, A.**, & McNamara, D. S. (2017). Recurrence Quantification Analysis: A technique for the dynamical analysis of student writing. In Z. Markov & V. Rus (Eds.), Proceedings of the 30th Annual Florida Artificial Intelligence Research Society International Conference (FLAIRS). Marco Island, FL: AAAI Press.
6. Allen, L. K., Perret, C., **Likens, A. D.**,

12. Snow, E. L., **Likens, A. D.**, Jackson, G
walk through tutoring: Using a random walk analysis to profile students. In *Proceedings of the 2013 Educational Data Mining Conference*. Berlin / Heidelberg, Germany: Springer.
13. Cooke, N. J., Amazeen, P. G., Gorman, J. C., Guastello, S. J., **Likens, A. D.**, & Stevens, R. (2012). Modeling the Complex Dynamics of Teamwork from Team Cognition to Neurophysiology. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 56, No. 1, pp. 183-187). SAGE Publications.

Conference Podium Presentations

1. Sloan, C. I., **Likens, A. D.**, Sommerfeld, J., & Stergiou, N. S. (2020, September). Autocorrelation and Probability Distributions In Gait-Metronome Synchronization. Podium presentation at the 5th annual Human Movement Variability Conference, Omaha, NE.
2. Rowen, D. R., Silva, L., **Likens, A. D.**, Vaz, J., & Stergiou, N. S. (2019, July). Do older adults synchronize their strides to different visual stimuli? Poster presented at the 2019 International Society of Biomechanics Conference.
3. **Likens, A. D.**, McCarthy, K. S., Allen, L. K., & McNamara, D. S. (2017, December). Recurrence quantification analysis as method for measuring text comprehension dynamics. *Paper presented at the 8th ASU/U of A Cognitive Science Conclave*, Tucson, AZ.
4. Allen, L. K., **Likens, A. D.**, & McNamara, D. S. (2017, November). An examination *Paper presented at the 2017 Annual Meeting of the Society for Computers in Psychology*.
5. **Likens, A. D.**, McCarthy, K. M., Allen, L. K., & McNamara, D. S. (2017, November). intelligent tutoring system. *Paper presented at the 2017 Annual Meeting of the Society for Computers in Psychology*.
6. **Likens, A. D.** (2015, December). Fractal steering volatility. *Paper presented at the 6th ASU/U of A Cognitive Science Conclave*, Tucson, AZ.
7. Snow, E. L., Varner, L. K., **Likens, A. D.**, Jackson, G. T., & McNamara, D. S. (2013, November). We're watching you: Using random walks and probability trajectories to profile system users. *Paper presented at the 43rd annual meeting of the Society for Computers in Psychology*, Toronto, Canada.
8. **Likens, A. D.**, & Vanhoy, M. (2011, July). Multifractal scaling in eye movements. *Paper presented at the 21st Annual Conference of the Society for Chaos Theory in Psychology and Life Sciences*, Orange, CA.
9. **Likens, A. D.** (2010, April). Hysteresis in visual search. *Paper presented at the annual meeting of the Oklahoma Psychological Society*, Edmond, OK.
10. Vanhoy, M., & **Likens, A. D.** (2009, July). Eye movements reveal the fractal nature of visual search. *Paper presented at the 19th Annual International Conference of the Society for Chaos Theory in Psychology and Life Sciences*, Milwaukee, WI.

Conference Poster Presentations

1. **Likens, A. D.**, Skiadopoulos, A., & Stergiou, N. (2020, September). A simulation based investigation of unbiased detrended fluctuation analysis. Poster presentation at the 54th Annual Human Movement Variability Conference, Omaha, NE.
2. **Likens, A. D.**, Skiadopoulos, A., & Stergiou, N. (2019, November). Unbiased detrended fluctuation analysis for short psychological time series. *To be presented at the 2019 Meeting of the Society for Computers in Psychology*.
3. **Likens, A. D.**, Silva, L., Vaz, J. & Stergiou, N. (2019, August). Multifractal correlation reveals variation in complexity matching across metronome types. *Poster presented at the 2019 International Society of Biomechanics Conference*.

MENTORING

Ph.D. Commi

Human Movement Science
Journal of Applied Biomechanics
Journal of Biomechanics
Journal of Neuroscience
Journal of the Royal Society: Interface
Motor Control
Neuroscience Letters
PLOS ONE
Social Neuroscience

Society Memberships

Cognitive Science Society
International Society of Biomechanics
International Society for Ecological Psychology
Psychonomics Society
Society for Chaos Theory in Psychology and Life Sciences
Society for Computation in Psychology