Anton Leontyev

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Education

2016 - 2022	Cognition and Cognitive Neuroscience, Texas A&M University	Ph.D.
2014 - 2016	Graduate Coursework in Experimental Psychology, University of Louisiana at Lafayette	
2009 - 2013	Psychology, Higher School of Economics	B.Sc.

Experience

2022 - present	Department of Psychology, Concordia University Wisconsin, Mequon, WI
2016 - 2022	Yamauchi Cognition Lab, Texas A&M University, College Station, TX
2014 - 2016	Louisiana Music & Psychology Lab, University of Louisiana, Lafayette, LA
2009 - 2013	Cognitive Research Lab, Higher School of Economics, Moscow, Russia

Research Interests

Human-computer interaction; ADHD; Motor control; Machine learning & Big Data; Impulsivity

Publications

Razavi, M., Janfaza, V., Yamauchi, T., **Leontyev**, **A.**, Longmire-Monford, S., & Orr, J. (2022). "Opensync: An open-source platform for synchronizing multiple measures in neuroscience experiments." *Journal of Neuroscience Methods*, *369*, 109458.

Leontyev, **A.**, & Yamauchi, T. (2021). "Discerning mouse trajectory features with the drift diffusion model." *Cognitive Science*, *45*(10), e13046.

Leontyev, **A.**, & Yamauchi, T. (2019). "Mouse movement measures enhance the stop-signal task in adult adhd assessment." *PLOS ONE*, *14*(11), 1–31.

Leontyev, **A.**, Sun, S., Wolfe, M., & Yamauchi, T. (2018). "Augmented go/no-go task: Mouse cursor motion measures improve adhd symptom assessment in healthy college students." *Frontiers in Psychology*, *9*, 496.

Yamauchi, T., **Leontyev**, **A.**, & Wolfe, M. (2017). "Choice reaching trajectory analysis as essential behavioral measures for psychological science." *Insights in Psychology*, *1*(4), 1.

Peer-reviewed Proceedings Papers

Yamauchi, T., **Leontyev**, **A.**, & Razavi, M. (2019). "Mouse tracking measures reveal cognitive conflicts better than response time and accuracy measures." *Proceedings of the 41st Annual Conference of the Cognitive Science Society*, 3150–3156.

Yamauchi, T., **Leontyev**, **A.**, & Razavi, M. (2019). "Assessing emotion by mouse-cursor tracking: Theoretical and empirical rationales." *2019 8th International Conference on Affective Computing and Intelligent Interaction (ACII)*.

Updated: May 18, 2023

Leontyev, **A.**, Yamauchi, T., & Razavi, M. (2019). "Machine learning stop signal test (ml-sst): Ml-based mouse tracking enhances adult adhd diagnosis." *2019 8th International Conference on Affective Computing and Intelligent Interaction Workshops and Demos (ACIIW)*, 1–5.

Yamauchi, T., & **Leontyev**, **A.** (2018). "Hbu: Human behavior understanding by choice reaching." *Proceedings of the 40th Annual Conference of the Cognitive Science Society.*

Poster Presentations

Leontyev, **A.**, & Yamauchi, T. (2023). *Core components of emotional impulsivity: A mouse-tracking study* [Poster session presented at the 95th Midwestern Psychological Association Annual Meeting, Chicago, IL].

Leontyev, **A.**, & Yamauchi, T. (2023). *Core components of emotional impulsivity: A mouse-tracking study* [Poster session presented at the 2022 Society for Neuroscience Upper Midwest Chapter Annual Conference, Green Bay, WI].

Leontyev, **A.**, & Yamauchi, T. (2020). *Discerning mouse trajectory features with the drift diffusion model* [Poster session presented at the 2020 Annual Meeting of the Society for Computation in Psychology (SCiP)].

Leontyev, **A.**, Yamauchi, T., & Razavi, M. (2020). *Machine learning-based mousetracking enhances adult adhd diagnosis* [Poster session presented at the 2020 Annual Meeting of the Society for Computation in Psychology (SCiP)].

Leontyev, **A.**, Razavi, M., & Yamauchi, T. (2020). *Predicting adhd questionnaire scores from motor behavior using machine learning in python* [Poster session presented at the 2020 SciPy conference].

Saenz, G., Smith, S., & **Leontyev**, **A.** (2019). *Is there a metacognitive "trait"? investigating individual differences in performance predictions* [Poster session presented at the 60th annual meeting of the Psychonomics Society, Montreal, Quebec, Canada].

Saenz, G., Smith, S., & **Leontyev**, **A.** (2019). *Is there a metacognitive "trait"? investigating individual differences in performance predictions* [Poster session presented at the 27th Annual Southwest Cognition and Cognitive Neuroscience Society Conference, San Antonio, TX].

Yamauchi, T., **Leontyev**, **A.**, & Razavi, M. (2019). *Mouse tracking measures reveal cognitive conflicts better than response time and accuracy measures* [Poster session presented at the 41st Annual Conference of the Cognitive Science Society. Montreal, Quebec, Canada].

Leontyev, **A.**, & Yamauchi, T. (2018). *Mouse movement measures improve ssrt in impulsivity assessment* [Poster session presented at the 59th annual meeting of the Psychonomics Society, New Orleans, LA].

Yamauchi, T., & **Leontyev**, **A.** (2018). *Mouse-cursor motion measures are sensitive to individual differences in executive functions* [Poster session presented at the 59th annual meeting of the Psychonomics Society, New Orleans, LA].

Yamauchi, T., & **Leontyev**, **A.** (2018). *Assess mental disorders with the movement of the computer cursor* [Poster session presented at Computational Psychiatry 2018, San Diego, CA].

Leontyev, **A.**, & Yamauchi, T. (2018). *Mouse movement measures improve ssrt in impulsivity assessment* [Poster session presented at the 26th Annual Southwest Cognition and Cognitive Neuroscience Society Conference, Houston, TX].

Yamauchi, T., & **Leontyev**, **A.** (2018). *Hbu: Human behavior understanding by choice reaching* [Poster session presented at the 40th Annual Conference of the Cognitive Science Society, Madison, WI].

Leontyev, **A.**, Sun, S., Wolfe, M., & Yamauchi, T. (2018). *Augmented go/no-go task: Cursor motion measures improve adhd assessment* [Poster session presented at the 30th APS Annual Convention, San Francisco, CA].

Leontyev, **A.**, Sun, S., Wolfe, M., & Yamauchi, T. (2017). *Augmented go/no-go task: Cursor motion measures improve adhd assessment* [Poster session presented at the 58th annual meeting of the Psychonomics Society, Vancouver, BC, Canada].

Leontyev, **A.**, Sun, S., Wolfe, M., & Yamauchi, T. (2017). *Augmented go/no-go task: Cursor motion measures improve adhd assessment* [Poster session presented at the 25th Annual Southwest Cognition and Cognitive Neuroscience Society conference for Cognition and Cognitive Neuroscience, College Station, TX].

Leontyev, **A.** (2012). *The influence of german psychology in the psychological concepts of southern europe* [Poster session presented at the International Conference "German Science in Southern Europe, 1933-45", FCSH/NOVA, Lisbon, Portugal].

Software Packages

Leontyev, **A.** (2021). *Ssrtcalc: Easy ssrt calculation.*

Teaching

Instructor

Concordia University Wisconsin | Department of Psychology

2023	PSY 490: *Senior Seminar*
2023	PSY 350: *Experimental Psychology*
2022	PSY 101: *Intro to Psychology*
2022	PSY 205: *Theories of Learning*
2022	PSY 485: *Research Proposal*

Texas A&M University | Department of Psychological and Brain Sciences

2021	PSYC 245: *Intro Psychological Science Methods*
2020	PSYC 107: *Intro to Psychology*

Teaching Assistant

Texas A&M University | Department of Psychological and Brain Sciences

2018 - 2020	PSYC 302: *Research Methods in Psychology*

Service

2022	Invited reviewer for the *Universal Access in the Information Society* journal
2022 - present	Concordia University Wisconsin Institutional Review Board (IRB) member

Awards and Honors

2023	Collaborative Replication and Education Project (NSF №2312491) Stipend
2021	Texas A&M Graduate Excellence Support Award
2018	Southwest Cognition and Cognitive Neuroscience Society Conference (ARMADILLO) Best Poster Award
2018	Texas A&M Graduate Student Travel Award
2012	Higher School of Economics Travel Award
2010	International Research Competition for Current Students and Recent Graduates, Higher School of Economics

Professional Memberships

Midwestern Psychological Association • Psi Chi - Academic Honor society • Association for Psychological Science • Psychonomics Society

Languages

Russian (native) • English (fluent) • German (intermediate)