Kinnari Atit, Ph.D.

School of Education
University of California, Riverside
2219 Sproul Hall
Riverside, CA 92521

Office Phone: 951-827-6008
Email: kinnari.atit@ucr.edu

EDUCATION

2014	Temple University Doctor of Philosophy, Psychology Advisor: Thomas F. Shipley
2009	The George Washington University Bachelor of Arts, Psychology

ACADEMIC APPOINTMENTS

2018 - present:	Assistant Professor School of Education, University of California, Riverside
2015 – 2018:	Postdoctoral Researcher Department of Psychology, Northwestern University
2014 – 2015:	Postdoctoral Researcher Center for Talented Youth, Johns Hopkins University
2009 –2014:	Graduate Research Assistant Spatial Intelligence and Learning Center, Temple University

GRANTS

California Education Learning Lab Grant from the Governor's Office of Planning and Research. Received on May 24, 2021. Project Title: "A New Mathematics Gateway." Amount Awarded: $1,276,216. PI: Yat Sun Poon, Co-PIs: **Kinnari Atit**, David Weisbart, Catherine Lussier, Bryan Carrillo, & Dylan Noack.

California Education Learning Lab Seed Grant from the Governor's Office of Planning and Research. Received on February 3, 2020. Project Title: "Supporting Student Learning about Molecular Structures from Simulations." Amount Awarded: $100,000. PI: **Kinnari Atit**, Co-PIs: Jack Eichler, Matthew Casselman, & Li Ye.

Plant Biology Learning Objectives, Outreach Materials & Education (BLOOME) Award. Received on May 7, 2019. Project Title: "Alleviating the Outreach Drought with Scientists in the Classroom." Amount Awarded: $31,402. PI: Loralee Larios, Co-PI: **Kinnari Atit**.

Innovative Learning Technology Initiative. Received on March 19, 2019. Project Title: "EDUC 110S: Learning Theory and Psychology in Education." Amount Awarded: $53,000. PI: **Kinnari Atit**.

PUBLICATIONS

Rocha, K., Lussier, C. M., & **Atit, K**. (2022). What makes online teaching spatial? Examining the connections between K-12 teachers' spatial skills, affect, and their use of spatial pedagogy

during remote instruction. *Cognitive Research: Principles and Implications, 7,* 25. https://doi.org/10.1186/s41235-022-00377-7

Barth, N., Stock, G. M., & **Atit, K**. (2022). From virtual field trip to geologically-reasoned decisions in Yosemite Valley. *Geoscience Communication, 5*(1), 17-28.

Atit, K., Power, J. R., Pigott, T., Lee, J., Geer, E. A., Uttal, D. H., Ganley, C. M., Sorby, S. (2022). Examining the relations between spatial skills and mathematics performance: A meta-analysis. *Psychonomic Bulletin & Review, 29,* 699-720. https://doi.org/10.3758/s13423-021-02012-w

Casselman, M. D., Eichler, J. F., & **Atit, K.** (2021). Advancing multimedia learning for science: Comparing the effect of virtual versus physical models on student learning about stereochemistry. *Science Education, 105*(6), 1285-1314. https://doi.org/10.1002/sce.21675

Fiorella, L., Yoon, S. Y., **Atit, K.**, Power, J., Panther, G., Sorby, S., Uttal, D. H., & Veurink, N. (2021). Validation of the mathematics motivation questionnaire (MMQ) for secondary students. *International Journal of STEM Education, 8*(52). https://doi.org/10.1186/s40594-021-00307-x

Wu, J., **Atit, K.**, Ramey, K., Hall, G., Vondracek, M., Jona, K., & Uttal, D. (2021). Investigating students' learning through co-designing with technology. *Journal of Science Education and Technology, 30,* 529-538. https://doi.org/10.1007/s10956-020-09897-7

Lombardi, D., Shipley, T. F., Astronomy Team (Bailey, J. M, Bretones, P. S., Prather, E. E.), Biology Team (Ballen, C. J., Knight, J. K., Smith,, M. K.), Chemistry Team (Stowe, R. L., Cooper, M. M.), Engineering Team (Prince, M.), Geography Team (**Atit, K.**, Uttal, D. H.), Geoscience Team (LaDue, N. D., McNeal, P. M., Ryker, K., St. John, K., van der Hoeven Kraft, K. J.), & Physics Team (Docktor, J. L.) (2021). The curious construct of active learning. *Psychological Science in the Public Interest*, *22*(1), 8-43. https://doi.org/10.1177/1529100620973974

Atit, K., & Rocha, K. (2020). Examining the relations between spatial skills, spatial anxiety, and K-12 teacher practice. *Mind, Brain, and Education, 15*(1), 139-148. https://doi.org/10.1111/mbe.12274

Atit, K., Power, J. R., Sorby, S., Uttal, D. H., Carr, M., Veurink, N., Fiorella, L., & Msall, C. (2020). Examining the role of spatial skills and math motivation on middle school mathematics achievement. *International Journal of STEM Education, 7*(38), 1-13. https://doi.org/10.1186/s40594-020-00234-3

Atit, K., Uttal, D. H., & Stieff, M. (2020). Situating space: Using a discipline-focused lens to examine spatial thinking skills. *Cognitive Research: Principles and Implications, 5*(1), 1-16. https://doi.org/10.1186/s41235-020-00210-z

Casselman, M. D., **Atit, K.**, Henbest, G., Guregyan, C., Mortezaei, K., Eichler, J. F. (2019). Dissecting the flipped classroom: Using a randomized controlled trial experiment to determine when student learning occurs. *Journal of Chemical Education*, *27*(1), 27-35. https://doi.org/10.1021/acs.jchemed.9b00767

Castro-Alonso, J. C., & **Atit, K.** (2019). Different abilities controlled by visuospatial processing. In J. C. Castro-Alonso (Ed.), *Visuospatial Processing for Education in Health and Natural Sciences* (pp. 23-51). Springer.

Atit, K., Miller, D., Newcombe, N. S., & Uttal, D. H. (2018). Teachers' spatial skills across disciplines and education levels: Exploring nationally representative data. *Archives of Scientific Psychology, 6,* 130-137. https://doi.org/10.1037/arc0000041

Ormand, C. J., Shipley, T. F., Tikoff, B., Dutrow, B., Goodwin, L., Hickson, T. A., **Atit, K**., Gagnier, K. M., & Resnick, I. (2017). The spatial thinking workbook: A research-validated spatial skills curriculum for geology majors. *Journal of Geoscience Education: Synthesizing Results and Defining Future Directions of Geoscience Education Research, 65*(4), 423-434*.* https://doi.org/10.5408/16-210.1

Atit, K., Ramey, K. E., Uttal, D. H., & Olzewski-Kubulius, P. M. (2017). Integrating engineering in K-8 Classrooms: A method of identifying and developing strong spatial skills. In A. Cotabish & D. Dailey (Eds.), *Engineering Instruction for High-Ability Learners in K-8 Classrooms* (pp. 189-204).

Gagnier, K. M., **Atit, K**., & Shipley, T. F. (2016). Understanding and improving reasoning of spatial representations: Implications for education. In David J. Cowen (Ed.), *STEM and GIS Higher Education.* ESRI Press.

Gagnier, K. M., **Atit, K**., Ormand, C. J., & Shipley, T. F. (2016). Comprehending 3D diagrams: Sketching to support spatial reasoning. *Topics in Cognitive Science: Sketching and Cognition,* 1-19. https://doi.org/10.1111/tops.12233

Atit, K., Weisberg, S., Newcombe, N., & Shipley, T. F. (2016). Learning to interpret topographic maps: Understanding layered spatial information. *Cognitive Research: Principles and Implications, 1*(2), 1-18. https://doi.org/10.1186/s41235-016-0002-y

Gagnier, K. M., Shipley, T. F., Tikoff, B., Garnier, B. C., Ormand, C. J., **Atit, K.**, & Resnick, I. (2016). Training spatial skills in geosciences: A review of tests and tools. In R. W. Krantz, C. J. Ormand & B. Freeman (Eds.), *3D Structural Interpretation: Earth, Mind, and Machine: AAPG Memoir* (pp. 7-23).

Tarampi, M. R., **Atit, K**., Petcovic, H. L., Shipley, T. F., & Hegarty, M. (2016). Spatial skills in expert structural geologists. In R. W. Krantz, C. J. Ormand & B. Freeman (Eds.), *3D Structural Interpretation: Earth, Mind, and Machine: AAPG Memoir* (pp. 65-73).

Newcombe, N.S., Weisberg, S.M., **Atit, K**., Jacovina, M.E., Ormand, C.J. & Shipley, T.F. (2015). The lay of the land: Sensing and representing topography. *The Baltic International Yearbook of Cognition, Logic, and Communication, 10,* 1-57*.* https://doi.org/10.4148/1944-3676.1099

Atit, K., Gagnier, K., & Shipley, T. F., (2015). Students' gestures aid penetrative thinking. *Journal of Geoscience Education*, *63,* 66-72. https://doi.org/10.5408/14-008.1

Ormand, C. J., Manduca, C. A., Shipley, T. F., Tikoff, B., Harwood, C. L., **Atit, K**., & Boone, A. P. (2014). Evaluating geoscience students' spatial thinking skills in a multi-institutional classroom study. *Journal of Geoscience Education, 62,* 146-154. https://doi.org/10.5408/13-027.1

Atit, K., Shipley, T. F., & Tikoff, B. (2014). What do a geologist's hands tell you? A framework for classifying spatial gestures in science education. In D. Montello, K. Grossner, & D. Janelle (Eds.), *Space in Mind: Concepts for Spatial Learning and Education.* Cambridge, MA: MIT Press.

Atit, K., Shipley, T. F., & Tikoff, B. (2013). Twisting space: Are rigid and non-rigid mental transformations separate spatial skills? *Cognitive Processing, 14*(2)*,* 163-173. https://doi.org/10.1007/s10339-013-0550-8

Resnick, I., **Atit, K.,** & Shipley, T.F. (2012). Teaching geologic events to understand geologic time, In K. A. Kastens & C. A. Manduca (Eds.), *Earth and Mind II: A Synthesis of Research on Thinking and Learning in the Geosciences: Geological Society of America Special Paper 486*.

SUBMITTED PUBLICATIONS

Park, S., Lee, N., & **Atit, K.** (2023). Examining the role of undergraduate calculus in the persistence of underrepresented students from the STEM pipeline. Manuscript under review.

Power, J. R., Lynch, R., & **Atit, K**. (2023). Development of student teacher self-efficacy: The critical role of school placements. Manuscript under review.

Goldhagen, G., Ford, H., & **Atit, K.** (2023). Examining perspective-taking skills in introductory geoscience students. Manuscript under review.

McMurran, M., Weisbart, D., & **Atit, K.** (2023). The relationship between students' gender and their confidence in the correctness of their solutions to complex and difficult math problems. Manuscript accepted pending minor revisions.

PRESENTATIONS

*Oral presentation indicated by **

Colchete, N., Fenger, A., Liu, P., Simon, K., & **Atit, K.** (2023). Traversing Minecraft with story: Examining the effect of narrative on spatial memory and navigation in a video game setting. Poster presented at the 2023 International Conference on Learning and Memory. Huntington Beach, CA. April 2023.

***Atit, K.** (2023). Supporting STEM learning by leveraging and bolstering spatial skills. Presentation for the Science and Math Initiative at the University of California, Riverside. February 2023.

Eichler, J., **Atit, K**., Ye, L., Casselman, M., & Murphy, C. (2022). Using PhET simulations to promote conceptual development in general chemistry: Are they efficacious in an independent online setting? Presentation at the Biennial Conference on Chemical Education. West Lafayette, Indiana. August 2022.

Rocha, K., Lussier, C., & **Atit, K.** (2022). What makes online teaching spatial? Examining the connections between K-12 teachers' spatial skills, affect, and their use of spatial pedagogy during remote

instruction. Poster presented at the International Mind, Brain, and Education Society Conference. Montreal, Canada. July 2022.

*__Atit, K.__, Casselman, M., & Eichler, J. (2022). Advancing multimedia learning for science: Comparing the effect of virtual versus physical models on student learning about stereochemistry. Presentation at the International Mind, Brain, and Education Society Conference. Montreal, Canada. July 2022.

*__Atit, K.__ (2022). Supporting STEM learning by leveraging and bolstering spatial skills: A method of diversifying STEM. Invited virtual presentation at the University of California, Riverside. May 2022.

McMurran, M., Weisberg, D., & __Atit, K.__ (2022). The relationship between gender, confidence, and participatory risk taking in a post-secondary mathematics course. Presentation at the Annual Meeting of the American Educational Research Association, San Diego, CA. April 2022.

*__Atit, K.__ (2021). What is educational psychology and why does it matter for math? Invited virtual presentation for the Mathematics Department at the University of California, Riverside. November 2021.

*__Atit, K.__ (2021). Supporting STEM learning by leveraging and bolstering spatial skills. Invited virtual presentation at Symbiosis International School, Pune, India. September 2021.

*__Atit, K.__ (2021). Supporting STEM learning by leveraging and bolstering spatial skills: A method of diversifying STEM. Invited virtual presentation at Texas A&M University, College Station, TX. September 2021.

Casselman, M. D., Eichler, J. F., & Atit, K. (2021). Comparing virtual and physical models in online learning environments. Presentation at the American Chemical Society Meeting. August 2021.

*__Atit, K.__, Casselman, M. D., Eichler, J. F., Murphy, C., & Ye, L. (2021). Supporting student learning about molecular structures from simulations. Presentation at the American Chemical Society Meeting. August 2021.

*Rocha, K., & __Atit, K.__ (2021). Examining the effect of gesture-use on teaching mathematical equivalence in elementary school classrooms. Presentation at the Annual Meeting of the American Educational Research Association, Virtual Conference. April 2021.

*Rocha, K., & __Atit, K.__ (2021). The Importance of Spatial Skills in STEM. Presentation at the Moreno Valley Unified School District STEAM Expo. January 2021.

Goldhagen, G., __Atit, K.__, & Ford, H. (2020). Exploring methods for teaching 3D introductory geology content: Analyzing the influence of 3D teaching methods and virtual learning environments. Poster presented at the Annual Meeting of the Earth Educators Rendezvous, Virtual Conference, July 2020.

Atit, K., & Rocha, K. (2020). Spatial skills go to the classroom: Understanding teachers' roles in developing students' spatial skills. Poster presentation accepted at the International Mind Brain and Education Society Meeting. Meeting postponed due to COVID-19 outbreak.

***Atit, K.**, Eichler, J., & Casselman, M. (2020). Tools for spatial thinking: Facilitating learning and engendering spatial habits of mind. Presentation accepted at the International Mind Brain and Education Society Meeting. Meeting postponed due to COVID-19 outbreak.

***Atit, K.** (2019). How block play in the classroom can lead to STEM Success: Discussing the teacher's role in students' spatial learning. Presentation at the Educator STEPCon, Riverside, CA, October 2019.

Charbonneau, J., **Atit, K.**, Bale, J., Henbest, G., & Nap, Y. (2019). Topographic maps and electrostatics: How what we don't teach affects what we teach. Presentation at The Western Conference on Science Education, Western University, Canada, July 2019.

***Atit, K.** (2019). The STEM Challenge: Why Bolstering STEM Teaching and Learning Matters. Presentation at A Look at STEM Education and Research in Riverside, Riverside, CA, May 2019.

***Atit, K.** (2019). Going beyond space: Taking an interdisciplinary approach to understanding and bolstering students' spatial skills. Presentation at the Graduate School of Education's 50th Anniversary Event, Riverside, CA, April 2019.

***Atit, K.,** Wu, J., Hall, G., Ramey, K., Vondracek, M., Jona, K., & Uttal, D. H. (2018). Introducing making into high school science classrooms: Exploring the design trade-offs in bridging the formal-informal divide. Presentation at the Annual Meeting of the American Educational Research Association, Toronto, Canada, April 2019.

***Atit, K.** (2019). Supporting and developing spatial thinking skills: A method of diversifying STEM. Invited presentation at Claremont Graduate University, Claremont, CA, February 2019.

Atit, K. (2019). Examining the impact of a spatial visualization course on 7th grade students' spatial skills. Poster presented at the Annual Principal Investigators Meeting for the Institute of Education Sciences, Washington, D.C., January 2019.

***Atit, K.,** Ramey, K., Flanagan-Hall, G. A., Wu, J., Vondracek, M., & Uttal, D. (2018). Introducing making into high school science classrooms: Exploring the design trade-offs in bridging the formal-informal divide. Presentation at the Connected Learning Summit, Cambridge, MA, August 2018.

Flanagan-Hall, G. A., Wu, J., **Atit, K**., Ramey, K. E., Vondracek, M., Jona, K., & Uttal, H. (2018). Exploring design-tradeoffs in incorporating making activities into high school science curriculums. Paper to be presented at the International Conference of the Learning Sciences, London, UK, June 2018.

Flanagan-Hall, G. A., Wu, J., **Atit, K**., Ramey, K. E., Spaulding, A., Vondracek, M., Jona, K., & Uttal, H. (2018). Intertwining coding with standard science curricula. Video showcase presented at the 2018 STEM for All Video Showcase: Transforming the Educational Landscape, May 2018.

***Atit, K.,** Carr, M., Power, J. R., Sorby, S., Veurink, N., Uttal, D., & Wong, V. (2017). Enhancing Middle School Mathematics Achievement Through Spatial Skills Instruction. Presentation at the Annual Meeting of the Psychonomic Society, Vancouver, BC, November 2017.

Power, J., **Atit, K**., Carr, M., Sorby, S., Uttal, D., & Veurink, N. (2017). Preparing students for engineering success through improving 3D spatial skills. Paper presented at American Society for Engineering Education Annual Conference & Exposition, Columbus, OH, June 2017

Atit, K., Hall, G., Ramey, K., Jona, K., & Uttal, D. H. (2017). The design and engineering of scientific instrumentation for high school science classrooms. Video showcase presented at the 2017 STEM for All Video Showcase: Research & Design for Impact, May 2017.

***Atit, K.,** Weisberg, S. M., Newcombe, N. S., & Shipley, T. F. (2017). Learning to interpret topographic maps: Understanding layered spatial information. Presentation at Annual Meeting of the American Educational Research Association, San Antonio, TX, April 2017.

Pila, S., Alade, F., Sheehan, K., **Atit, K**., Lauricella, A., Gadzikowski, A., Wartella, E., & Uttal, D. (2017). Learning to code in the classroom. Poster presented at the 2017 Society for Research in Child Development biennial meeting, Austin, TX, April 2017.

Atit, K., Ormand, C. J., Shipley, T. F., Tikoff, B., Dutrow, B., Goodwin, L., Hickson, T. A., Gagnier, K. M., & Resnick, I. (2016). Does context matter? Investigating the improvement of domain-general vs. domain-specific spatial skills in upper level geology courses. Poster presented at Spatial Cognition, Philadelphia, PA, August 2016.

Ormand, C. J., Shipley, T. F., Dutrow, B., Goodwin, L., Hickson, T. A., Tikoff, B., **Atit, K**., Gagnier, K. M., & Resnick, I. (2015). Teaching spatial thinking in mineralogy, structural geology, and sedimentology & stratigraphy: Tools and strategies from cognitive science research. Presentation at the American Geophysical Union Annual Fall Meeting, San Francisco, CA, December 2015.

Atit K., & Shelton, A. L. (2015). Recognizing academic talent in historically underrepresented minority students. Round table session given at the National Association for Gifted Children, Phoenix, AZ, November 2015.

Ormand, C. J., Shipley, T. F., Dutrow, B., Goodwin, L., Hickson, T. A., Tikoff, B., **Atit, K**., Gagnier, K. M., & Resnick, I. (2015). Teaching spatial thinking in mineralogy, structural geology, and sedimentology & stratigraphy: Tools and strategies from cognitive science research. Presentation at the Earth Educators' Rendezvous, Boulder, CO, July 2015.

Ormand, C. J., Shipley, T. F., Dutrow, B., Goodwin, L., Hickson, T., Tikoff, B., **Atit, K.,** Gagnier, G. M., & Resnick, I. (2014). Transforming spatial reasoning skills in upper-level undergraduate geoscience classrooms through curricular materials informed by cognitive science research. Presentation at the American Geophysical Union Annual Fall Meeting, San Francisco, CA, December 2014.

Gagnier, K. M., **Atit, K**., Ormand, C. J., & Shipley, T. F. (2015). Sketching to support student comprehension of three-dimensional diagrams. Presentation at the Diagrams as Vehicles for Scientific Reasoning, Pittsburgh, PA, April 2015.

Gagnier, K. M., **Atit, K**., Ormand, C. J., & Shipley, T. F. (2015). Comprehending diagrams: Sketching to support spatial reasoning from diagrams. Presentation at the Annual Meeting of the International Mind Brain and Education Society, Fort Worth, TX, November 2014.

Atit, K., & Shipley, T.F. (2014). Pattern identification or 3D visualization? How best to learn to use topographic maps. Poster presented at the Annual Meeting of the Cognitive Science Society, Quebec, Canada, July 2014.

Goodwin, L., Ormand., C. J., Gagnier, K. M., & **Atit, K.** (2014). New approaches to teaching spatial thinking in the context of structural geology. Presentation at the 3rd Biennial Structural Geology and Tectonics Forum, Golden, CO, June 2014.

Gagnier, K. M., **Atit, K**., Ormand, C. J., & Shipley, T. F. (2014). Understanding 3D: Generating diagrams from 3D models improves diagrammatic reasoning. Presentation at the Annual Meeting of the American Educational Research Association, Philadelphia, PA, April 2014.

Atit, K., Goksun, T., Manduca, C. A., Ormand, C. J., Resnick, I., Shipley, T. F., & Tikoff, B. (2013). Spatial gestures point the way: A broader understanding of the gestural referent. Poster presented at the Annual Meeting of the Cognitive Science Society, Berlin, Germany, August 2013.

Atit, K., & Shipley, T. F. (2013). Do gestures help the learner understand 3D information? Visualizing maps in 3D. Poster presented at the Hedberg Research Conference on 3D Structural Geologic Interpretation: Earth, Mind, and Machine, Reno, NV, June 2013.

***Atit, K.** (2013). Spatial gestures point the way. Presentation at The Sixth Annual Inter-Science of Learning Center Student and Post-Doc Conference, Philadelphia, PA, February 2013.

Matlen, B. J., **Atit, K**., Goksun, T., Rau, M. A., & Ptouchkina, M. (2012). Representing space: Exploring the relationship between gesturing and geoscience understanding in children. Paper presented at Spatial Cognition VIII: International Conference, Spatial Cognition Kloster Seeon, Germany, September 2012.

***Atit, K.** (2012). A framework for classifying spatial gestures. Presentation at The Structural Geology and Tectonics Forum, Williamstown, MA, June 2012.

***Atit, K.** (2012). SWOT Analysis: Students and Post-Doctoral Researchers. Presentation at NSF SILC Site Visit, Temple University, Philadelphia, PA, May 2012.

***Atit, K.,** Shipley, T. F., & Tikoff, B. (2012). A framework for classifying spatial gestures. Presentation at Carnegie Mellon University, Pittsburgh, PA, February 2012.

***Atit, K.** (2011). Are geologists' gestures codified? Presentation at the University of Chicago, Chicago, IL, September 2011.

Resnick, I., **Atit, K**., Goksun, T., & Shipley, T. (2011). Experts' and novices' use of gesture in explaining geologic maps. Poster presented at the Annual Meeting of the Cognitive Science Society 2011, Boston, MA, July 2011.

***Atit, K.** (2011). Spatial intelligence and learning center: Center overview iSLC 2011. Center introduction presentation at The Fourth Annual Inter-Science of Learning Center Student and Post-Doc Conference, Washington DC, March 2011.

Atit, K., Manduca, C. A., Ormand, C. J., Resnick, I., Shipley, T. F. & Tikoff, B. (2011). Reasoning about sequences of spatial events: How do geologists know what happened first? Poster presented at Fourth Annual Inter-Science of Learning Center Student and Post-Doc Conference, Washington DC, March 2011.

Atit, K., Tikoff, B., & Shipley, T. F. (2010). Mental bending: Mental simulation of non-rigid transformations. Poster presented at the Annual Meeting of the the Psychonomic Society, St. Louis, MO, November 2010.

Atit, K., Manduca, C. A., Ormand, C. J., Resnick, I., Shipley, T. F., & Tikoff, B. (2010). Reasoning about sequences of spatial events: How do geologists know what happened first? Poster presented at the Geological Society of America's Annual Meeting, Denver, CO, November 2010.

Atit, K., Tikoff, B., & Shipley, T. F. (2010). Task development for reasoning about non-rigid transformations. Poster presented at the Third Annual Inter-Science of Learning Center Student and Post-Doc Conference, Boston, MA, May 2010.

Atit, K., Tikoff, B., & Shipley, T. F. (2010). Task development for reasoning about non-rigid transformations. Poster presented at Psi Chi Research Day, Philadelphia, PA, April 2010.

PROFESSIONAL MEMBERSHIPS:

International Mind, Brain, and Education Society (IMBES)
Cognitive Science Society
NSF Spatial Intelligence and Learning Center
American Education Research Association (AERA)
Psychonomic Society

WORKSHOPS & CONFERENCE LEADERSHIP:

Larios, L., **Atit, K.**, Borowsky, A., & Kargul, M. (2021). "NetLogo: An Online Programmable Simulation for Remote Learning Science Lessons." Developed, planned, and co-organized a two-hour workshop for middle and high school science teachers as part of the District Science Teacher Community Practice Workshop series, February 2021.

Atit, K., Hansen, E., Robfogel, S., Veach, K., Wall, K., & White, B. (2015). "Transforming the Middle School Science Classroom to Inspire Achievement: A CTY Curricular Collaboration." Developed, planned, and organized a 3 day conference using a $200,000 gift from the Simons Foundation occurring from November 20nd– 22nd, 2015.

Shelton, A., & **Atit, K.** (2015). Teacher priorities, differentiation, and teaching to the "Bubble." Organized and facilitated roundtable discussions at the 2015 Sarah D. Barder Conference, San Francisco, CA, February 21st, 2015.

Atit, K., & Matlen, B. (2013). Gesture and its role in STEM learning. Workshop presented at the Sixth Annual Inter-Science of Learning Center Student and Post-Doc Conference, Philadelphia, PA, February 23rd, 2013.

TEACHING EXPERIENCE:

Instructor of Record, Graduate Level
- Cognitive Development
- Educational Psychology
- Embodied Cognition and STEM Teaching and Learning

Instructor of Record, Undergraduate Level
- Learning Theory and Psychology in Education
- Cognitive Psychology
- Inferential Methods in Psychology
- Scientific Thinking in Psychology

AWARDS & HONORS:

Commitment to Graduate Diversity Award from the Graduate Division at the University of California, Riverside, award received in May, 2022.

2018 STEM Learning and Research Center Fellow, $1000 honorarium received on April 19, 2018.

2017 Family Care Grant from the Psychonomic Society, $500 honorarium received on October 6, 2017.

2016-2017 Postdoc Professional Development Travel Award from Northwestern University's Office of Postdoctoral Affairs, $500 Honorarium received on March 9, 2017.

Journal of Geoscience Education Editor's Award for Outstanding Paper, received in November, 2015 (Carol Ormand, Cathryn Manduca, Thomas F. Shipley, Basil Tikoff, Cara L. Harwood, **Kinnari Atit**, & Alexander Boone).

International Spatial Cognition Summer Institute, Santa Barbara, CA, August 2013.

Cross-SLC Collaborative Mini-Grant for "Gesture and STEM Learning: Assessing Gestures' Role in Understanding Geoscience," $6000 received on June 11, 2011 (PI: Bryan Matlen; Co-PIs: Tilbe Goksun, & **Kinnari Atit**).

Travel Award from Temple University's "Graduate Fund for Excellence," received on October 6, 2010. $150 Honorarium.

First Place for Poster Presentation at Psi Chi Research Day 2010, Philadelphia, PA, April 2010. $100 Honorarium.

The George Washington University
- Dean's List: Fall 2007, Spring 2008, Fall 2008, Spring 2009

SERVICE & LEADERSHIP:

Faculty Executive Committee, School of Education at UC Riverside
Committee Member (January 2023 - Present)

Grant Review Panel, Education and Human Resources Directorate for the National Science Foundation
Member (November 2021 - January 2022)

Editorial Board, *Journal of Cognition and Development*
Member (August 2021 - Present)

Grant Review Panel, Social Sciences and Humanities Research Council of Canada
Member (December 2020 - January 2021)

Small Grants Review Panel, Spencer Foundation
Member (March 2020 - February 2021)

Committee on Research, UC Riverside
Committee Member (September 2020 - Present)

Research Ethics Education Program, UC Riverside
Advisory Board Member (July 2019 - July 2020)

Faculty Welfare Committee, School of Education at UC Riverside
Committee Member (January 2021 - June 2022)

STEM Teaching and Learning Search Committee, School of Education at UC Riverside
Committee Member (June 2019 - June 2020)

Undergraduate Education Committee, School of Education at UC Riverside
Committee Member (September 2018 - June 2020)

Summer Research Opportunity Program at Northwestern University
Postdoctoral Mentor (June 2016 – August 2016)

Philadelphia Science Festival
Exhibitor (April 20, 2012)
Exhibitor (April 18, 2013)

Professional Development Seminar for Graduate Students In Psychology
Guest Speaker: *"How to Develop an Independent Line of Research" (*October 8, 2012)

Spatial Intelligence Learning Center
Student/Postdoc Representative (July 2010 – May 2012)

Temple University Psychology Department, Brain and Cognitive Sciences Program
Recruitment Committee Member (September 2010 – February 2011)