

Christine Liebe, Ph.D.

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Professional Preparation

Walden University	Education: Curriculum, Instruction, Assessment	Ph.D.	2019
Walden University	Education: Literacy	M.S.	2008
Michigan State University	Psychology/Urban Policy	B.A.	1989

Professional Appointments

2019 – present	Colorado School of Mines, Postdoctoral Fellow
2009 – 2019	Colorado Mountain College, Adjunct Professor, Education and Transitional
2008– present	Education Colorado Licensed Professional Teacher, #0495130A Elementary Education, Secondary Science and Language Arts
2019 - present	Lotus Education LLC, Educational Researcher

Publications

Quille, K., McGill, M., Vivian, R., Falkner, K., Sentence, S., Barksdale, S., Busuttil, L., Cole, E., Liebe, C., Maiorana. (2020). An International Pilot Study of K-12 Teachers' Computer Science Self-Esteem. International Innovation and Technology in Computer Science Education (ITiCSE '20), Trondheim, Norway. ACM (pending publication)

Camp, T., Liebe, C., Slattery, M. (2020). Applying NCWIT Protocol to Broaden Participation in Computing: A Case Study of CS@Mines in 51st ACM Technical Symposium on Computer Science Education (SIGCSE '20), Portland, OR, USA, 7 pages
<https://doi.org/10.1145/3328778.3366958> Best paper

Liebe, C., Camp T. (2019). An Examination of Abstraction in K-12 Computer Science Education. In 19th Koli Calling International Conference on Computing Education Research (Koli Calling '19). Koli, Finland. ACM, New York, NY, USA, 9 pages <https://doi.org/10.1145/3364510.3364526>

Falkner, K., Sentence, S., Vivian, R., Barksdale, S., Busuttil, L., Cole, E., Liebe, C., Maiorana, F., McGill, M., Quille, K. (2019). An International Comparison of K-12 Computer Science Education Intended and Enacted Curricula. In Proceedings of Koli Calling '19: 19th Koli Calling International Conference on Computing Education Research (Koli Calling '19). ACM, New York, NY, USA, 10 pages <https://doi.org/10.1145/1122445.1122456>

Falkner, K., Sentence, S., Vivian, R., Barksdale, S., Busuttil, L., Cole, E., Liebe, C., Maiorana, F., McGill, M., Quille, K. (2019). An International Study Piloting the MEasuring Teacher Enacted Computing Curriculum (METRECC) Instrument. International Innovation and Technology in Computer Science Education (ITiCSE '19), Aberdeen, Scotland Uk. ACM, New York, NY, USA, 30 pages. <https://doi.org/10.1145/3304221.3325535>

Liebe, C. L. (2019). Dissertation: An Examination of Abstraction in K-12 Computer Science Education.

Liebe, C. (2017). Comparison of Abstraction in Computer Coding and in Critical Thinking. In P. Resta & S. Smith (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2017 (pp. 1394-1402). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Conference Presentations

An Examination of Abstraction in K-12 Computer Science	Koli Conference	November 2019
An International Study Piloting the MEasuring TeacheR Enacted Computing Curriculum (METRECC) Instrument.	Koli Conference	November 2019
Instruction of Abstraction in K-12 Computer Science	CSTA Conference	August 2017
Comparison of Abstraction in Computer Coding and Critical Thinking	ITTEI Conference	January 2018

Synergistic Activities

Panel Reviewer, NSF	March 2020
Panel Reviewer, NSF	January 2019
Peer reviewer, Current Issues in Online Education Journal, University of Arizona	2012- present
Peer reviewer, Journal of Educational Computing Research	2015-present
Peer reviewer, American Education Research Association	2013-present
Peer reviewer, SIGSCE conference publications	2016-present
Colorado Computer Science Teachers Association, Vice President	2019-present