Two-page Biographical Sketch

Name: Tong Wan
Job Title: Lecturer
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(a) Professional Preparation

Dalian University of Technology	Dalian, Liaoning, China	Physics	B.S. in Physics, 2011
Washington State University	Pullman, Washington	Physics	M.S. in Physics, 2013
University of Washington	Seattle, Washington	Physics	Ph.D. in Physics, 2018
University of Central Florida	Orlando, Florida	Physics Education Research	2018-2020

(b) Appointments

Lecturer, Department of Physics, University of Central Florida, 2022 – present
Assistant Professor, Department of Physics, Westminster College, Salt Lake City, 2020 – 2022

(c) *Publications*

(i) List up to five (5) publications/products that are the **most current** ones related to your field

T. Wan, C. M. Doty, A. A. Geraets, E. K. H. Saitta, and J. J. Chini, "Responding to incorrect ideas: science graduate teaching assistants' operationalization of error framing and undergraduate students' perception," *International Journal of STEM Education*, **10**, 5 (2023).

T. Wan, "Investigating student reasoning about measurement uncertainty and ability to draw conclusions from measurement data in inquiry-based university physics labs," *International Journal of Science Education*, 45:3, 223-243 (2023)

P. Ouimet, Y. Cao, and T. Wan, "Emergent explicit regulation in collaborative college science classrooms," 2022 American Society for Engineering Education Conference Proceedings, Minneapolis, MN, June 26-29, 2022

T. Wan and J. M. Mickelsen, "Investigating student ability to draw conclusions from measurement data," 2021 Physics Education Research Conference Proceedings, [Virtual Conference, August 4-5, 2021], pp. 432-437, doi: 10.1119/perc.2021.pr.Wan

T. Wan, C. M. Doty, A. A. Geraets, C. A. Nix, E. K. H. Saitta, and J. J. Chini, "Evaluating the impact of a classroom simulator training on graduate teaching assistants' instructional practices and undergraduate student learning," *Physical Review Physics Education Research* **17**, 010146 (2021).

(ii) List up to five (5) other significant publications/products.

T. Wan, A. A. Geraets, C. M. Doty, E. K. H. Saitta, and J. J. Chini, "Characterizing science graduate teaching assistants' instructional practices in reformed laboratories and tutorials," *International Journal of STEM Education*, **7**, 30 (2020).

T. Wan, P. J. Emigh, and P. S. Shaffer, "Probing student reasoning in relating relative phase and quantum phenomena," *Physical Review Physics Education Research* **15**, 020139 (2019).

T. Wan, P. J. Emigh, and P. S. Shaffer, "Investigating how students relate inner products and quantum probabilities," *Physical Review Physics Education Research* **15**, 010117 (2019).

A. Geraets, I. L. Nottolini, C. M. Doty, T. Wan, J. J. Chini, and E. K. H. Saitta, "Preparing GTAs for active learning in the general chemistry lab: Development of an evidence-based rehearsal module for a mixed-reality teaching simulator," *Journal of Science Education and Technology* (2021).

T. Wan, P. J. Emigh, and P. S. Shaffer, "Student understanding of the measurable effects of relative phases in superposition states," 2017 Physics Education Research Conference Proceedings [Cincinnati, OH, July 26-27, 2017], edited by L. Ding, A. Traxler, and Y. Cao, doi:10.1119/perc.2017.pr.100.

(d) Graduate teaching experience

(e) Graduate students mentored (to completion, if applicable)

(f) Other synergistic activities related to Graduate Education