

Claire May & William Band

Distinguished Professorship in Physics



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Qingze Guan is a theoretical physicist recognized as a leader in the field of quantum theory.

He first came to Washington State University in 2012 as a PhD student following his undergraduate career at the School of Modern Physics at the University of Science and Technology of China. In 2022, he returned to WSU, where he teaches physics as an assistant professor and serves as an advisor to graduate and undergraduate students.

Guan's expertise is in ultracold quantum gases, including universal few-body physics, Efimov physics, quantum chemistry, and dynamics of Bose and Fermi gases. In addition, his research also covers quantum information science including quantum simulation, quantum sensing, and quantum metrology.

He routinely lectures across the United States and China. Guan has had more than 20 publications in peer-reviewed journals including *Nature Physics*, *Physical Review X*, *Physical Review Letter*, and *Physical Review A* with quite a few of them highlighted by the editors. He also serves as a referee for multiple scientific journals and is selected as an outstanding referee by *Journal of Physics B*.



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