



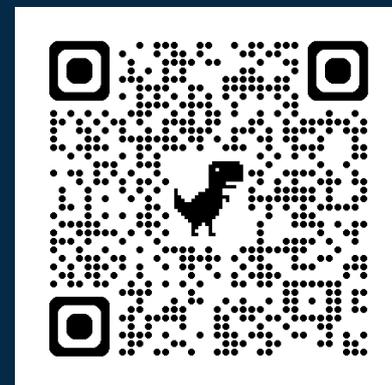
# Mathematical Sciences And Computational Science Fall 2024 Colloquium Series



Dr. Chad Hoyer, Assistant Professor  
University of Texas at El Paso (UTEP)



Friday, October 4 at 3:00pm  
Bell Hall 130 and online via Zoom  
*Scan the QR-code to access the link*



## Computational and Theoretical Problem Solving for Chemistry Applications

**Abstract:** The field of chemistry benefits from computational and theoretical research. From predictions of rate constants to characterization of molecular interactions to simulating spectroscopies, “out of lab” tools play an important role. A PhD in computational and theoretical chemistry research can lead to many industrial careers outside of chemistry like quantum computing, data science, and software engineering. I will explain how the field of quantum chemistry consists of solving linear algebra problems and showcase research problems my group is trying to tackle.

Hosted by: Dr. Ming-Ying Leung

For further information, please contact Dr. Emil Schwab, [eschwab@utep.edu](mailto:eschwab@utep.edu)