

Internal Webinar

Geometrically Constrained Pnictogen Pincers: Unifying Main-Group and Transition-Metal Chemistry

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My research focuses on the synthesis, reactivity, and catalytic applications of pincer complexes, with emphasis on ligand design and metal–ligand cooperation. I will present my doctoral research on PNP and PNN pincer complexes of transition metals and their catalytic applications. I will then discuss my proposed work on geometrically constrained pnictogen-based pincer systems, focusing on E–H bond activation, transition-metal-like reactivity, and cooperative catalysis. The work will further explore hard/soft donor ligands and heterobimetallic platforms for small-molecule activation.

Thursday, Sep 10th 2026

11:30 Hrs

