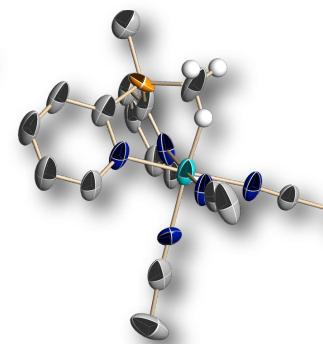
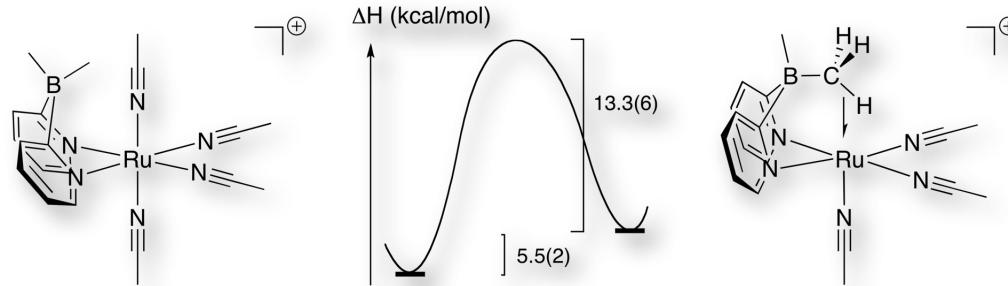


Bifunctional Catalysts for C—H Bond Conversion

Travis J. Williams, Loker Hydrocarbon Research Institute
University of Southern California



Bifunctional catalysts offer excellent potential for designing *reactivity* and *selectivity* into two parts of a molecular scaffold. For example, one could design a bifunctional catalyst in which a C—H bond activation system and an activating / directing group are combined.



Dual site synergy:
The first C-H bond to expelling a ligand from a coordinatively saturated metal.

Complexes in this family are versatile dual site catalyst precursors for C-H conversion.

