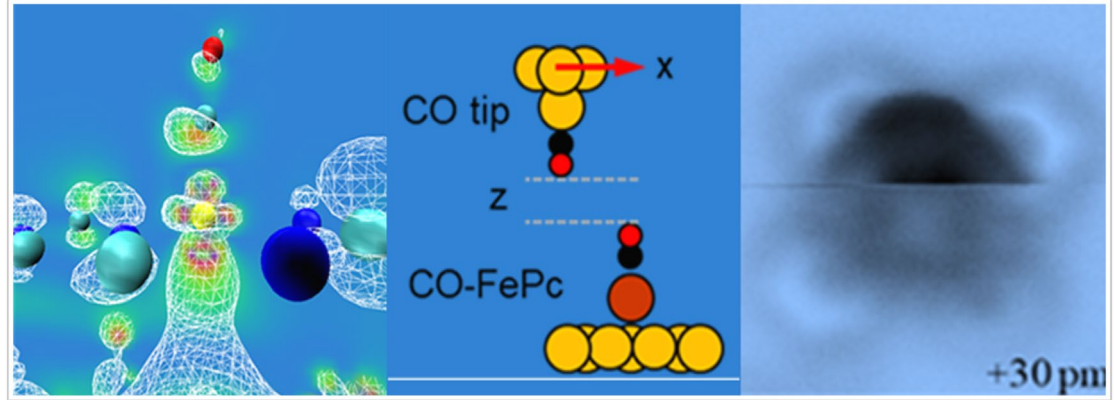


# Materials Research Science and Engineering Centers

In 2021, normal operations in the IAC were adapted due to COVID-19. In accordance with guidelines from the New Jersey state government and the University, the IAC gradually allowed external users into the facility to conduct research in accordance with the CDC's and University's recommendations for mask wearing protection and social distancing. At this point, the IAC allowed graduate students, postdocs, undergraduates and limited number of outside users to carry on research with support from 100% IAC staff operating in person. The award-winning courses, MSE505 - Characterization of Materials and MSE302 - Laboratory Techniques in Materials Science and Engineering have been continuously offered in the IAC.



Images from the publication: P. Chen, D. Fan, Y. Zhang, A. Selloni, E. A. Carter, C. B. Arnold, D. Cc. Dankworth, S. P. Rucker, J. R. Chelikowsky and N. Yao "Breaking a Dative Bond with Mechanical Forces", Nature Communications **12** 5635-5642 (2021).

The **Imaging and Analysis Center (IAC)** supported by PCCM is a world-leading facility for materials characterization. Its central mission is the education, research, and training of students at Princeton University and beyond. The IAC also collaborates with researchers in industry and other academic institutes.

The IAC's advanced instrumentation is open to all qualified users, whether from Princeton or outside. Recent IAC users include over 300 students and researchers from 13 departments and centers on campus. The IAC also supports more than ten regular courses annually and offer a full range of short courses for materials characterization.