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**“Super Oxidized” Iron Nitrido & “Super Reduced” Iron Nitrosyl
Complexes in tris Carbene Coordination Spheres
-and How Iron Really Feels About it**

Abstract: In this seminar, we will present our work on the synthesis and reactivity of metal nitrido and nitrosyl complexes. First, we report our studies on high valent Fe(IV, V, VI and VII) nitrido complexes. Subsequently, we address the question to what extent the complexes' electronic and structural properties change when formally atomic oxygen is added to the nitrido ligand thus, transforming a high valent metal nitrido to a low valent metal nitrosyl complex.