

Moments in Materials Presentation:

Optical properties of 2D semiconductors

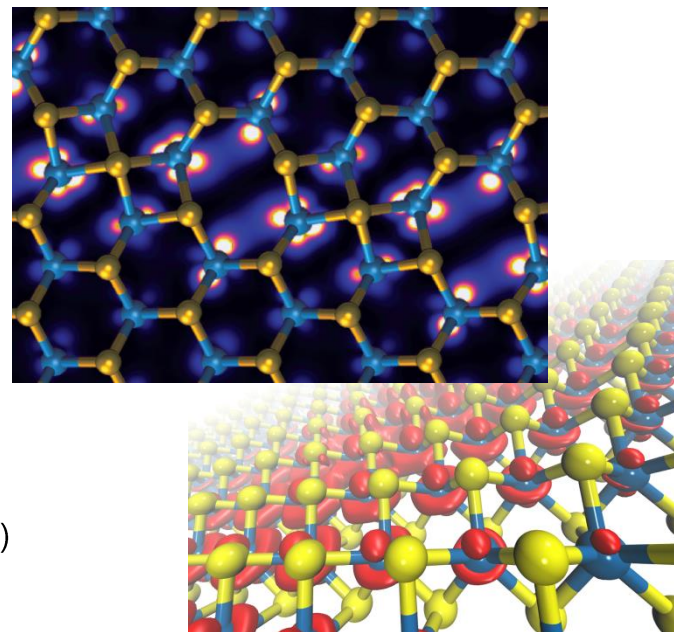
Speaker: Timothy Berkelbach

When: Thursday, August 1st 2013, 4:30 p.m.

Where: NWC, 7th floor meeting room, RM 703



Over the last three years, transition metal dichalcogenides, such as molybdenum disulfide, have emerged as an atomically thin, semiconducting alternative to metallic graphene. This talk will review the very young history of these materials, much of which was discovered here at Columbia, including their novel optical properties in the monolayer limit.



Selected references

1. T.C. Berkelbach (D.R. Reichman) *Phys. Rev. B* **88**, 045318 (2013)
2. A.M. van der Zande (J.C. Hone) *Nat. Mater.* **12**, 554 (2013)