

## **Seminar**

**Ultrafast exciton many body interactions  
in CsPbBr<sub>3</sub> nanocrystals and few layer MoS<sub>2</sub>**

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Exciton many body interactions is the fundamental light-matter interaction which determines the optical response of the semiconducting nanocrystals. In this talk, I will discuss our recent results on the exciton many body interactions such as biexciton effect and Auger recombination in the newly introduced direct bandgap CsPbBr<sub>3</sub> nanocrystals and the few layer MoS<sub>2</sub> with indirect bandgap.

***Wednesday, Dec 14<sup>th</sup> 2016***

***4:00 PM (Tea/Coffee at 3:45 PM)***

***Seminar Hall, TCIS***