



Seminarankündigung

**Dienstag, 2. Dezember 2014
13:00 Uhr**

WSI, Seminarraum S 101

“Photonic crystals – Quo vadis?”

The ability of photonic crystals to strongly confine light in high Q cavities and in slow light waveguides is well known - so what's next ?

Following an introduction on resonant enhancement with photonic crystals, I will discuss some of our latest work in the field. Chaotic cavities have been an area of particular interest, as they afford enhanced energy storage compared to regular cavities, which I will discuss in the context of resonant absorption in solar cells. Similar cavities also allow us to observe rare events (“rogue waves”) via the suitable control of phase space. Disorder is another topic that we usually try to avoid for high performance structures, but I will show how disorder can also become an advantage.

**Prof. Thomas F. Krauss
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