



Joint LLC Seminar

Wednesday May 18, 15:15
The Rydberg Lecture Hall, Dep. of Physics

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Ultrafast chemical dynamics across the spectrum

In the past fifteen years, huge efforts have been deployed aimed at improving ultrafast structural techniques, such as X-ray spectroscopies. In parallel, lab-based sources of ultrashort vacuum ultraviolet and soft X-rays based on the process of High Harmonic Generation are making it possible to study the underlying electronic structure changes which drive the actual structural dynamics of systems. In the optical domain, the development of light sources in the 300 nm region opens a niche of opportunities to investigate the photoinduced dynamics in small molecules, proteins and metal oxides, which all have strong absorption bands in this region. I will discuss our recent results using these novel tools as well as the perspectives for materials science, chemistry and biology.

**The seminar is suited for a broad audience
and open for everybody**

**The Rydberg Lecture Hall is located at the Department of Physics,
Professorsgatan 1**

**Coffee and refreshments will be served
before the seminar, from 15:00**

