

NEXT LITE-SEMINAR

"Attosecond Science in Slow Motion"

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After a brief introduction to strong-field physics the challenges for modelling and understanding atomic and molecular systems exposed to ultrashort intense laser pulses is discussed. Since a full theoretical treatment beyond few-electron systems is beyond the reach for any classical computer, the idea of a quantum simulator for attosecond physics based on ultracold atoms in optical traps is introduced.

Date and Time: **Friday, October 10th, 2014, 14:00 ct**

Location: **TU Wien, Photonics Institute**
Seminar Room E387-CBEG02, ground level,
Gußhausstraße 27-29, 1040 Vienna

Host: J. Burgdörfer