Srdečne Vás pozývame na prednášku s názvom:

Towards ultrafast, nanoscale optical switching

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Nano-optical near fields, generated, for example, by plasmon oscillations have several unique properties. Hundred-times electric field enhancement and few-nanometer field localization of a laser pulse can be easily achieved. If we induce plasmon oscillations with ultrashort pulses, high spatiotemporal localization and highly nonlinear interactions are possible. Both are prerequisites for ultrafast, nano-integrated optical devices. As first steps in this direction, I will show new methods to characterize nano-optical near fields with nanometer resolution and ways to generate nonlinear interactions with low-energy laser pulses.


Štvrtok, 2. Júna 2016, 10:00
Medzinárodné laserové centrum