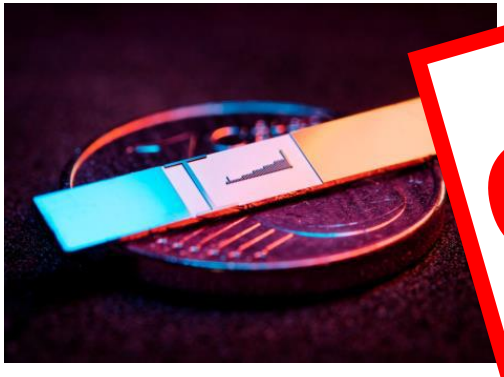
Physikalisches Kolloquium

Universität Konstanz

Prof. Dr. Peter Hommelhoff
Friedrich-Alexander-Universität
Erlangen-Nürnberg (FAU)

Di 09.07.24
15:15 Uhr
P 603
im Anschluss Getränke und Snacks



CANCELED

Cont… …aser fields

…s based on steering …ntense laser pulses. We will …s will show that with optical nearfields …anophotonic structures we can efficiently …erate pulsed electron beams, while also keeping the electrons together with the help of purely optical forces. This resembles conventional particle accelerators, here powered with laser light and on-chip. We will further discuss other types of optical field-based electron control, namely strongfield steering of electrons at the surface of needle tips and inside of graphene.

Host:
Prof. Dr. Leitenstorfer

Organisation:
Prof. Dr. Bechinger