

WYKŁAD

w ramach programu IDUB Mentor

prof. Wiesław Królikowski

(Texas A&M University at Qatar)

*„Trapping and manipulation of airborne particles
with structured light”*

wtorek 20 czerwca, godz. 11:15
Wydział Fizyki UW, sala 1.02

Abstrakt

„Structured light involves, among others, optical vortices and singular vector beams. In this talk. I will discuss application of such beams in optical trapping. I will review our experimental results on photophoretic trapping and manipulation of airborne, light absorbing microparticles. In particular, I will demonstrate tractor beam transporting particles over large distance, optical bottle to store microparticles, and application of tractor beam to control electric discharge.”

