



INTERNATIONAL DAY OF LIGHT CELEBRATION

Nature Research invites you to UNESCO's worldwide initiative recognizing light and the role it plays in science and society with a **PUBLIC LECTURE**

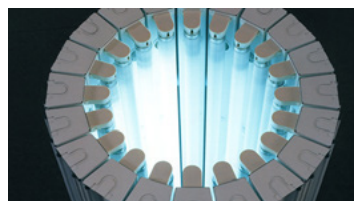
A CLOSER LOOK: SEEING ATOMS WITH A LASER

PROF. DR. OLIVER BENSON
Humboldt Universität zu Berlin

Lasers are known as exceptional light sources emitting bright, monochromatic beams. The peculiar properties of laser light, however, also make it possible to see the fundamental constituents of matter, i.e. single atoms or molecules. In this presentation, Professor Benson will explain how lasers open the door to experiments in the microworld. After discussing the underlying fundamental quantum effects, he will highlight several recent breakthrough applications from quantum technology to single-molecule microscopy.

PRE-PROGRAM: Elevator pitches | Light-related research from Berlin PhD students in 5 x 3 minutes

ART ON DISPLAY:



Volkhard Kempter — *True Lite Standard II* (1998)
Photo: Volkhard Kempter

There will be a networking reception after the lecture.
The language of the event will be English.

DATE: 16 May 2018

DOORS OPEN: 18:00

START: 18:30

PLACE: Springer Nature, Heidelberger Platz 3,
14197 Berlin (S-Bahn/U-Bahn Heidelberger Platz)

FREE ENTRY

Please register at
<https://go.nature.com/dayoflightberlin>