

## LIGHT INDUCED SUPERCONDUCTIVITY

ANDREA CAVALLERI

MPI for the Structure and  
Dynamics of Matter,  
Hamburg

Light is emerging as a new tool to control solids, especially by coherently controlling collective excitations on thermal energy scales, that is, at THz frequencies.

Highly surprising emergent behavior away from equilibrium is found in our studies, such as light-induced superconducting-like phases found at or near room temperature in organic materials and high- $T_c$  cuprates.

FRIDAY,  
19.06.2015

2:00 PM

CFEL  
SEMINAR ROOMS I-III

