European XFEL Science Seminar

Tuesday, 28th April 2020, 13:00
Video conference, via Zoom

Andrea Cavalleri

Max Planck Institute for the Structure and Dynamics of Matter, Hamburg;
Department of Physics, University of Oxford

Recent advances in light induced superconductivity

I will discuss how coherent electromagnetic radiation at infrared and TeraHertz frequencies can be used to drive collective excitations in solids and especially experiments in which superconducting correlations can be induced at temperatures higher than the thermodynamic transition temperature. I will discuss results in cuprates, doped fullerenes and recent work in organic salts. By comparing these examples a clearer microscopic picture is emerging for driven unconventional superconductivity.

Join Zoom Meeting
https://xfel.zoom.us/j/95557351014?pwd=UVRRcktqblJxYitLWk42TkZYOUw1UT09

Meeting ID: 955 5735 1014
Password: 278200
One tap mobile
+493056795800,,95557351014# Germany
+496950502596,,95557351014# Germany
Dial by your location
+49 30 5679 5800 Germany
+49 695 050 2596 Germany
+49 69 7104 9922 Germany
Meeting ID: 955 5735 1014
Find your local number: https://xfel.zoom.us/u/ad1REkZTSn

Host: Serguei Molodtsov