
ICFO Colloquium Series

HARRY ATWATER

June 05, 2026

10:00 to 11:00

ICFO Auditorium

PROFILE

Harry Atwater is the Otis Booth Leadership Chair of the Division of Engineering and Applied Science, and the Howard Hughes Professor of Applied Physics and Materials Science at the California Institute of Technology. Atwater's scientific effort focuses on nanophotonic light-matter interactions. His work spans fundamental nanophotonic phenomena and applications, including active wavefront shaping of light using metasurfaces, optical propulsion of lightsails, quantum and 2D nanophotonics as well as solar energy conversion, on earth and in space.

Atwater was an early pioneer in nanophotonics and plasmonics and gave a name to the field of plasmonics in 2001. Currently Atwater directs the Liquid Sunlight Alliance (LiSA), a Department of Energy Hub program for solar fuels, and is a PI of the Caltech Space Solar Power Project. He was also the founding Editor in Chief of the journal ACS Photonics.

Atwater is a Member of the US National Academy of Engineering, a Fellow of APS, MRS, SPIE and Optica, a Web of Science Highly Cited Researcher from 2014-2024, and is recipient of numerous awards, including the 2021 von Hippel Award of the Materials Research Society.

ABSTRACT

Pending

Hosted by: Javier Garcia de Abajo