



Münchener Physik- Kolloquium

Sommer
2022

Please note the changes for this date!

Abgesagt / Cancelled!

Plasmonics and Photonics for Energy Conversion

Prof. Dr. Emiliano Cortés, *Ludwig-Maximilians-Universität München*

Monday, 27 June 2022, **is cancelled / fällt aus!**

Hörsaal 2, Physik-Department der TUM, James-Franck-Straße 1, Garching

■ Neben der Veranstaltung vor Ort sind die Vorträge in diesem Semester auch als Videoübertragung im Internet verfügbar: <https://tum-conf.zoom.us/j/93234766313>

Meeting-ID: 932 3476 6313; Password: Kolloquium; Please install the software in advance.

The use of plasmonics and photonics to control light and heat close to the thermodynamic limit enables exciting opportunities for nanoscale energy conversion. The efficient harvesting and conversion of photons into photons of a different energy, phonons or energetic charge carriers open up a myriad of opportunities for converting, for example sunlight, into fuels, heat and light. By employing artificially structured materials (metamaterials), hybrid plasmonic colloids, dielectric nanoresonators or engineered metal nanoantennas, I will show different approaches for converting energy by controlling, tuning and enhancing light-matter interactions.

Student event: Meet the speaker

We invite you to a **student-only** discussion-round with Prof. Dr. Emiliano Cortés before his Munich Physics Colloquium talk.

Be curious and feel free to ask any question.

Monday, 27 June 2022, **cancelled**,

Seminar room PH 3268 (upper floor), Physik-Department der TUM, James-Franck-Straße 1, Garching

