

Ben-Gurion University of the Negev
Blaustein Institutes for Desert Research

The Swiss Institute for Dryland Environmental and Energy Research
Alexandre Yersin Department of Solar Energy and Environmental Physics

Tailoring energy transport in molecules by confined photons

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Abstract

When molecules are embedded in nano-scale photonic structures, the strong confinement significantly modifies the nature of light-matter interactions. In my talk I will discuss how such a mechanism can be used to control energy transport processes in hybrid photonic-organic systems, and to boost such processes by orders of magnitude, providing exciting opportunities for organic electronics and light-harvesting applications.

Date & Location:

Tuesday, January 1st, 2019, 11:00

Lecture room, Physics Building (ground floor)

