"UNRAVELING EXCITED STATE DYNAMICS AND SPECTROSCOPY IN ORGANIC CHROMOPHORES"

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March 26, 2021 (Friday)
12pm (BRT time) - Google Meet

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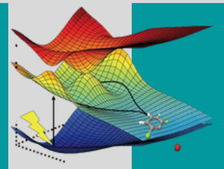
with the words "Spiridoula Matsika– Virtual" on the "subject"
Deadline: March 24, 2021 (Wednesday), 06pm (BRT time)



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ABSTRACT

Unraveling excited state dynamics and spectroscopy in organic chromophores

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The interaction of light with molecules is very important in a variety of processes, such as vision, photosynthesis, and photochemical damage and repair in DNA. The fate of molecular systems when they interact with photons is almost always affected by nonadiabatic processes, and a major part of our work is focused on understanding the fundamentals of these processes. In this talk we will discuss recent advances in understanding nonadiabatic excited state dynamics in a variety of organic chromophores, including biological building blocks and fluorescent probes. Using sophisticated theoretical techniques and comparing to experimental observables we are able to obtain insight into the photoinitiated processes.