



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



Mercoledì **24 maggio 2023** alle ore **16:30** presso l'aula A

il Prof. Lorenzo Di Bari

Dipartimento di Chimica e Chimica Industriale, Università di Pisa.

Pisa
Italia

terrà il seminario dal titolo:

Electronic circular dichroism and circularly polarized luminescence: from spectroscopy to devices

Electronic circular dichroism (ECD) and circularly polarized luminescence (CPL) are the most prominent forms of discrimination of light circular polarization in the UV-vis-NIR. They have been used for decades to characterize and investigate the stereochemistry of molecules and of supramolecular systems. The most relevant figure of merit of ECD and CPL are $g(\text{Abs})$ and $g(\text{Em})$, both limited by ± 2 . Thanks to the discovery of systems with g -values approaching ± 2 , and to the development of organic semiconductors, we have observed a paradigm shift, by which ECD and CPL are no longer considered as mere spectroscopic properties, useful to characterize chemical systems, but rather as viable ways to fabricate devices for producing and detecting circularly polarized light.

La presenza della S. V. sarà molto gradita

Cristiano Zonta

Il Direttore del Dipartimento
Michele Maggini



Fondazione
Cassa di Risparmio
di Padova e Rovigo



**RICERCA
SCIENTIFICA
DI ECCELLENZA**



CHIRALSPACE