Laser Spectroscopy and Nanophotonics (LSNP)
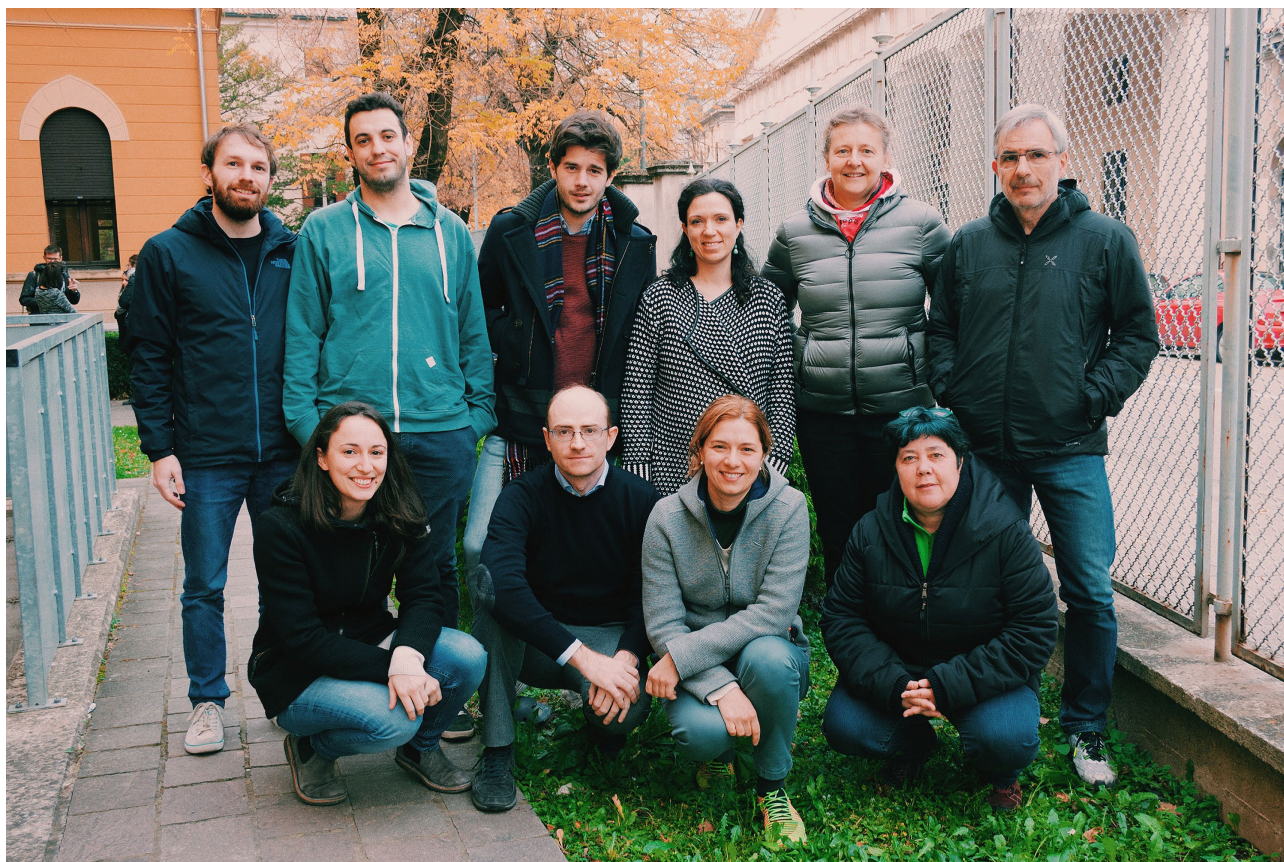www.chimica.unipd.it/lsnp/

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1   The group has a long-standing experience in the investigation of inter- and
2   intra-molecular charge and energy transfer processes, ultrafast coherent and
3   incoherent dynamics, and nonlinear optical response in complex systems like
4   molecular crystals, molecular aggregates, metal and semiconductor
5   nanoparticles. To this end we have developed experimental set-ups for time
6   and frequency resolved optical spectroscopy experiments: 2D-electronic
7   spectroscopy with fs resolution, transient absorption in the fs and ps time
8   domain, time resolved fluorescence microscopy: FLIM and FCS, Raman and
9   SERS spectroscopy, multiphoton absorption through Z-scan and
10 fluorescence excitation experiments.
11

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