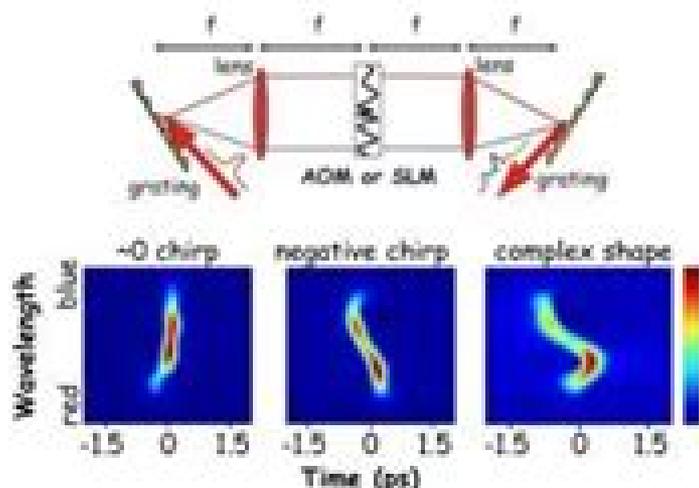
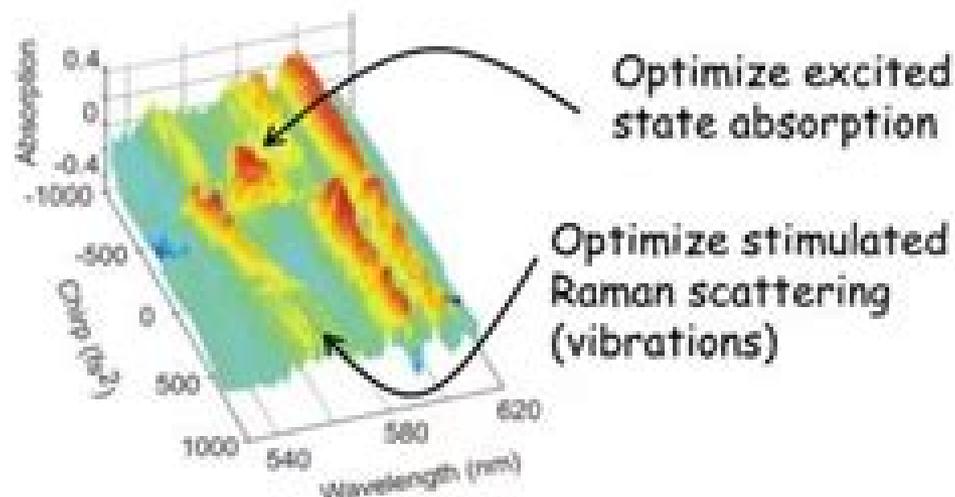


Optical Control of Molecular Dynamics

Elizabeth C. Carroll, Andrei C. Florean, Kenneth G. Spears,
Philip H. Bucksbaum and Roseanne J. Sension



Femtosecond optical pulse shaping is used to "sculpt" optical pulses and control molecular dynamics. Sample shapes are shown above.



In this project we used pulse parameters (chirp and more complex shapes) to tailor excitation and manipulate contributions between electronic and vibrational transitions.

E.C. Carroll et al., Chem. Phys. (2008), doi:10.1016/j.chemphys.2008.01.023



Frontiers in Optical Coherent and Ultrafast Science
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Optical Control Of Molecular Dynamics

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