

## Abstract

We demonstrate that two-dimensional electronic spectroscopy (2DES) using an acousto-optic programmable pulse shaper is experimentally feasible. Due to fast waveform switching capability of the pulse shaper, a high-speed data acquisition is achieved in a few tens of seconds for a single 2D spectrum. The time-resolved 2D-ES of Zn-naphthalocyanine molecular aggregate shows coherent oscillations in both the diagonal and cross peaks, which originates from the vibrational coherence created by two different vibrational modes.