Several examples of the utilization of spin-resolved photoelectron spectroscopy to investigate complex systems will be discussed. This will include the application of SR-PES to possible half-metallic ferromagnets at the Advanced Light Source at Lawrence Berkeley National Laboratory [1] and the potential of measurements at higher energies, as illustrated by the first spin-resolved photoelectron spectroscopy results from the Advanced Photon Source at Argonne National Laboratory [2]. The utility of the application of SR-PES to non-magnetic systems will also be discussed [3,4], including the investigation of surface states [5] and future potential studies of the correlated electron system δ-Pu [6,7].