

Advanced Systems Technology

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The NASA-sponsored Advanced Systems Technology work at JPL includes reviewing / assessing new, highly advanced technology; pioneering advanced technology applications; and developing advanced, cross-cutting concepts /architectures. Although the total scale of the activity is small, many different researchers have carried out exciting studies in a wide range of topics. This presentation will briefly discuss the results of five of these studies: Genetic Algorithms for Flight Path Optimization, Biomimetic Processing, Onboard Spectral Analysis, One-Liter Spacecraft, and Adaptive Landing Legs.