Flash memory has become the storage medium of choice in portable consumer electronic applications, and high performance solid state drives (SSDs) are also being introduced into mobile computing, enterprise storage, data warehousing, and data-intensive computing systems. On the other hand, flash memory technologies present major challenges in the areas of device reliability, endurance, and energy efficiency.

In these projects, we will use two widely used tools in the industry for analyzing SSD performance and characteristics: Jasmine OpenSSD Platform and SigNASII Flash tester.