

Associate Professor Song Fu

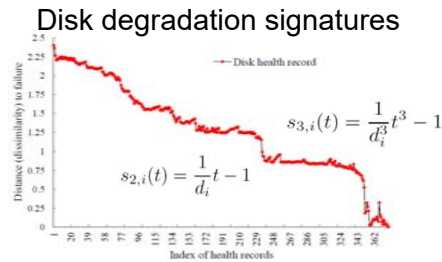
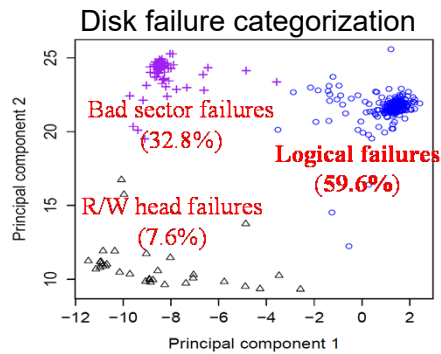
Department of Computer Science and Engineering

Director, Dependable Computing Systems Lab

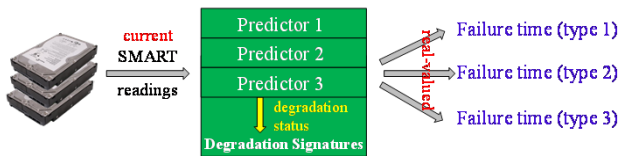
Computer systems, system resilience, storage reliability, distributed and parallel computing, IoT and edge computing

Research Group: Federal funding; 5 Ph.D. Students

Resilient Storage Systems



Disk failure prediction

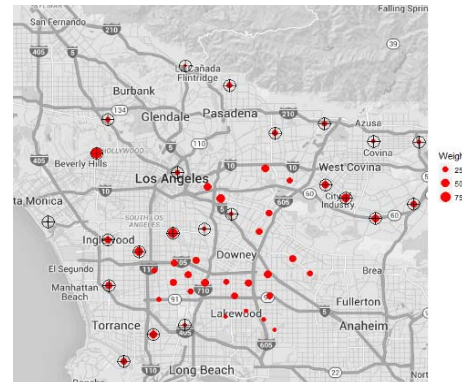


Senor Data Processing



Crime data of Los Angeles County

Smart Resource Planning



Optimal police patrol planning

Resilient Storage

- Funded projects on storage reliability characterization and prediction
- Data centers and HPC storage systems
- Expertise in failure management and machine learning

Near-Data Computing

- Internet of things
- Edge computing
- Resource planning
- Smart communities
- Expertise in real-time, near-data processing

