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## Advances in storage technologies

*Thursday 27 April 2017 12:30 (25 minutes)*

This is a whistle-stop tour of some of the new approaches and technologies that enables companies to derive insight from their data, both today and into the future. It compares the progress of SSD and HDD, and maps out how HDD can stay on the aerial density curve for the foreseeable future, up to 100TB per device.

Technology touched on will be Dual-Actuator drives, Helium, Two-Dimensional and multi-dimensional magnetic recording, HAMR (Heat Assisted Magnetic Recording) and Bit Patterned Media.

### **Length of talk (minutes)**

20

### **Scheduling constraints / preferences**

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**Session Classification:** Storage, file systems and data management

**Track Classification:** Storage & Filesystems