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## Present and Future of the IceCube DAQ and Online Systems

*Tuesday, 15 September 2015 11:00 (18 minutes)*

The IceCube Detector Operations group continues to improve reliability and add new functionality to the data acquisition (DAQ) and online system as the science of IceCube expands. Following a brief overview of the baseline design which has been running for nearly a decade and highlights of the operational performance of the implementation, this presentation will go on to describe a recent major enhancement to the DAQ, hit-spooling, its implementation, and discuss current uses of the new capabilities. Finally, plans for significant re-architecting of the low-level readout subsystem of the DAQ based on deep-buffer concept of hit-spooling will be discussed.

**Primary author:** Prof. HANSON, Kael (University of Wisconsin - Madison)

**Presenter:** Prof. HANSON, Kael (University of Wisconsin - Madison)

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