

# Using Graphs to Organize Fink Alerts

*Wednesday, June 7, 2023 5:00 PM (15 minutes)*

Fink Broker stores received LSST alerts in a hybrid storage, where bulk data are stored in the NoSQL HBase database and their principal relations are captured by the associated Graph database. This data architecture allows a fast navigation in the data and offers advanced algorithms for the search of the hidden structures and relations using Graph theory approaches.

The talk will present the available technologies, the current status of the implementation and the first results. The possibilities and the potential of this approach will be discussed and illustrated on the similar existing projects.

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**Session Classification:** Science talks