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## **Data, Software, and Knowledge Preservation of Scientific Results**

*Thursday, August 24, 2017 11:30 AM (30 minutes)*

Simply preserving the data from a scientific experiment is rarely sufficient to enable the re-use or re-analysis of the data. Instead, a more complete set of knowledge describing how the results were obtained, including analysis software and workflows, computation environments, and other documentation may be required. This talk explores the challenges in preserving the various knowledge products and how emerging technologies such as linux containers may provide solutions that simultaneously enable preservation and computational portability. In particular, the work of the Data and Software Preservation for Open Science (DASPOS) project and the building of the CERN Analysis Preservation Portal will be highlighted.

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**Session Classification:** Plenary