

# ICALEPCS 2013 Abstract

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**Title** The Mantid Project: Notes from an International Software Collaboration

**Classification** Project Management and Collaboration

## Session

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**Abstract** The Mantid project was started by ISIS in 2007 to provide a framework to perform data reduction and analysis for neutron and muon data. The SNS and HFIR joined the Mantid project in 2009 adding event processing and other capabilities to the Mantid framework. The Mantid software is now supporting the data reduction needs of most of the instruments at ISIS, the SNS and some at HFIR, and is being evaluated by other facilities. The scope of data reduction and analysis challenges, together with the need to create a cross platform solution, fuels the need for Mantid to be developed in collaboration between facilities. Mantid has from inception been an open source project, built to be flexible enough to be instrument and technique independent, and initially planned to support collaboration with other development teams. Through the collaboration with the SNS development practices and tools have been further developed to support the distributed development team in this challenge. This talk will describe the building and structure of the collaboration, the stumbling blocks we have overcome, and the great steps we have made in building a solid collaboration between these facilities.

*Word Count: 189 Character Count: 1176*

**Footnote** Mantid project website: [www.mantidproject.org](http://www.mantidproject.org)  
ISIS: <http://www.isis.stfc.ac.uk/>  
SNS & HFIR: <http://neutrons.ornl.gov/>

**Funding Agency** This project is a collaboration between SNS, ORNL and ISIS, RAL with expertise supplied by Tessella. These facilities are in turn funded by the US DoE and the UK STFC.

**Submitted** 22-MAR-13  
12:34 (GMT)

**Modified** 22-MAR-13  
15:46 (GMT)

**Presentation** Oral Preferred  
**Paper ID**

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22-MAR-13 15:46 (GMT)

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9.1.16

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