



**SDSU**  
presents  
a thesis defense for  
Master of Science  
degree in  
Computer Science

Friday,  
October 23, 2015  
  
12:00 pm  
GMCS 418

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# Sumer Pochi

## *Hadoop Seismic Data Analyzer*

### Abstract

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Data and analytics can help the digital enterprise leverage every asset, resource and opportunity to accelerate growth, drive new levels of productivity and remain flexible in a constantly changing business. Big giants like Facebook, Google, LinkedIn etc. generating big data and they are using Hadoop to perform analytics on this data.

Here we have used Hadoop to perform analytics on an open data source having an Earthquake dataset. We have shown the complete analytics on a java application which has a user interface to give input data and do processing.

### Thesis Committee

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Carl Eckberg, Thesis Chair, Department of Computer Science  
Alan Riggins, Department of Computer Science  
Eric Frost, Department of Homeland Security