

California State University San Bernardino  
School of Computer Science and Engineering

## **CSE 482 Senior Project Presentation**

### **Date**

June 10, 2016

### **Time**

1:30 PM

### **Place**

JB 359

### **Title**

Archive Record Keeper

### **Student**

William Puckett

### **Advisor**

Dr. David Turner

### **Abstract**

The Archive Record Keeper (ARK) consists of two web-based applications and a REST server implemented for use by the Water Resources Institute (WRI) in managing their aerial archives. The ARK Manager allows WRI staff to create and save metadata on aerial images and the various collections and flights they belong to. These aerial images may be uploaded from this application, where they will be transferred to a remote server for storage. The ARK Viewer allows clients to browse aerial images displayed on a map and place an order to the WRI. A REST server handles placement of orders, image uploads, and periodic transfers to a server provided by XSEDE (Extreme Science and Engineering Discovery Environment).