



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

Thursday,  
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12:00pm  
GMCS 405

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## *Map Based Multimedia Tool on Pacific Theatre in World War II*

### Abstract

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Maps have been used for depicting data of all kinds in the educational community for many years. A standout amongst the rapidly changing methods of teaching is through the development of interactive and dynamic maps.

The emphasis of this thesis is to develop an intuitive map based multimedia tool, which provides a timeline of battles and events in the Pacific theatre of World War II. The tool contains summaries of major battles and commanders and has multimedia content embedded in it. The primary advantage of this Map tool is that one can easily know about all the battles and campaigns of the Pacific Theatre by selecting in three different ways.

- (I)View Timeline of Battles in each region
- (II)View Individual Battles in each region
- (III)Summary of each Battle in an interactive way.

This tool can be accessed via any standard web browser and motivate the user to know more about the battles involved in the Pacific Theatre. It was made responsive using Google maps API, JavaScript, HTML5 and CSS.

### Thesis Committee

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Carl Eckberg, Thesis Chair, Department of Computer Science  
John Carroll, Department of Computer Science  
Jerome Gilles, Department of Mathematics & Statistics