SDSU

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

Thursday,
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12:00pm
GMCS 405

SAN DIEGO STATE
UNIVERSITY
Leadership Starts Here

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Noteworthy Scientists and Inventors – An Interactive Learning Tool

Abstract

Technology today has become an integral part of our society, therefore, its integration in education just about feels natural. The use of computer technology is no longer restricted to computer assisted instructions such as tutorials or practice drills, it has opened new horizons in learning and sharing knowledge. The motivation behind this application is to build an interactive learning tool which will help its users learn about different scientists, inventors from around the globe and their inventions and discoveries. Users can click on points on a world map to learn about various Scientists, important inventions that changed the world, watch Scientist's biography videos, learn interesting experiments, learn about a country's demographics and take interactive quizzes to test their knowledge. This application is designed keeping in mind high school students as its premiere audience. GIS technologies like MapObjects - JAVA edition, JAVA along with the Eclipse IDE, and web technologies such as HTML5, CSS3, JavaScript, Data Driven Documents and JQuery were used to develop this tool.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
Roger Whitney, Department of Computer Science
Mark Dunster, Department of Mathematics & Statistics