



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

Thursday,  
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5:30pm  
GMCS 405

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# Akin Gursel

*Improved User Interface to Display and Edit Multiple Files and Folders*

## Abstract

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As applications have grown in scope, the need for tools working across a collection of files or packages of data has grown with it. Some examples are; refactoring of files and packages in a large project using an integrated development environment (IDE) like NetBeans, verifying that a change in one file does not negatively impact other program pieces using frameworks or allowing users to improve modularity of multiple files.

This project is an effort in this direction, by allowing simultaneous search and editing of a collection of files, which could be any of: (1) data, (2) program code, (3) memos/lectures, etc. A typical editor can process just one file at a time. The goal is to create such a multi-file editor, which is open source, free and easily deployed using Java technologies.

## Thesis Committee

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Carl Eckberg, Thesis Chair, Department of Computer Science  
Joseph Lewis, Department of Computer Science  
Vadim Ponomarenko, Department of Mathematics & Statistics