Team20 Phase 4 Report

# System Functionality

1. Suggesting candidates who meet the user’s criteria;
2. Showing an author’s profile, which include his/her associated school, experience as a program committee member, and bibliography;
3. Helping the user create and maintain his/her own list of candidates;
4. Comparing the list of candidates of the user.

# New Features Added Since Phase 3

1. Original main page and result page are now merged into a single page;
2. Inputting special characters is now prohibited;
3. Message boxes added for warnings and progress;
4. Charts added for comparing candidates;
5. Drag-and-drop feature added to the page displaying an author’s profile;
6. Two new kind of information used: associated school and committee experience;
7. Bibliography table now displays more information of a publication;

# Refacotroings

1. Two helper classes (TableColumnAdder & UIElementFixer) for the user interface component are extracted;
2. \_userInterface.java renamed ConcreteUserInterface.java;
3. Two interfaces that are intended to be used for the user interface are moved under a package named UserInterface.interfaces;

# Design Pattern Applied

1. Design Pattern Singleton applied onto classes MainPage and QueryEngine



