22nd Annual Natural Sciences Academic Festival
Computer Sciences and Computer Engineering Department
Capstone Presentations
Friday, 6 May 2016, Morken 203

12:30 PM - 1:05 PM   **Karen Bullinger, Carl Derline**

Brick Break
This project is a two-player networked AndroidTM version of a real-time, 2D arcade game utilizing Unity 3D Game Engine and Google Play Game Services. In this game, players will defend their own bricks, which are behind their paddle, while trying to break their opponent's bricks.

1:10 PM - 1:45 PM   **Tom Kreamer, Clarissa Pendleton**

Peer Review
The Student Peer Review Web-Application ('web-app') will provide a browser-based interface for students to submit evaluations of themselves, and their peers, as relates to project-based coursework. The project will have separate interfaces and roles for both student, and for professors. The program will allow a plurality of professors to maintain peer-reviews for multiple classes and sections, across multiple years.

1:50 PM - 2:20 PM   **Ermenildo Castro**

Interpersonal Simulations: Solipsis
We explore applications of natural-language-processing in interactive-storytelling.The project uses machine learning in Python to resolve user commands to the Java game component. Within Java, we use event-driven agents; and dynamic narrative generation algorithms to simulate social conflict, espionage, and general drama arcs.

2:30 PM - 3:30 PM   Poster Presentation Session
Snack Buffet
Morken Center Atrium/Hallway

3:30 PM - 4:10 PM   **Kevin Hoang, Tu Nguyen, Sam Sandell**

Time Management Android Application
The "Time Management" Android application will be an essential scheduling tool which will collect and analyze users' daily timelines on the Wamp Web Service through a login function. It will create and display a visual representation of the user's schedule, and prepare another, prioritized schedule by using a Calendar Calculation Algorithm that we will develop.

4:15 PM - 4:55 PM   **Enis Abbass, Tyler Glass, Holly Ruyle**

T.H.E. Print-a-Doodle
A portable 3D printer built from recycled e-waste.