New Hires

The Department of Computer Science at UNLV welcomes our three new assistant professors.

Beiyu Lin

Data mining and machine learning

Corey Tessler

Schedulability of multi-threaded hard real-time and safety critical systems

Hussain Aljafer

Web service composition optimization

New Book

Jan Bækgaard Pedersen publishes the first ever textbook that teaches process oriented design and verification together in one book. ProcessJ is a new process-oriented language that is built on CSP semantics and thus can be verified using the formal verification tool FDR. Such a textbook has been desired by the process-oriented programming community for years.

New Programs

The Computer Science department is the major participant in two interdisciplinary graduate programs in data analytics and Cybersecurity. These programs are open to students with BS or BA in other disciplines that want to pursue advanced degrees in computer science applications.

Annual cybersecurity summer camp was held in July 2021 for Southern Nevada high school students. This camp is sponsored by NSA and NSF to promote K-12 students' cybersecurity awareness and increase their interests in cyber-security careers. This was the third year of the camp run by **Yoohwan Kim** and **Ju-Yeon Jo** who have secured operating funds from NSA and NSF.

Department News

The department is the recipient of the following six new research awards:

A $3 million dollar grant titled "Alzheimer's Clinical Trial InnOvatioN (ACTION)" from NIH is awarded to **Jeff Cummings** (Brain Health), **Kazem Taghva** (Computer Science), and **Jorge Fonseca** (Computer Science) to support a research observatory devoted exclusively to Alzheimer 's clinical trials and drug development.
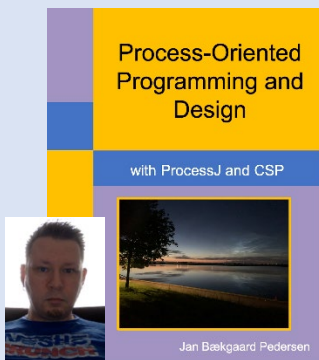*https://appdev.cs.unlv.edu/*

Andy Stefik was awarded three NSF grants (NSF 2121993 , NSF 2106392, NSF 2048356). These awards are in collaboration with the University of Washington, St Louis University, and the University of Maine. The main objectives of these awards are to support online accessible blocks technology that can be used by students with disabilities, and to evaluate data science use across the social sciences. Total award is $3.6 millions of which $1.7 million supports Andy's research.

Yoohwan Kim and **Juyeon Jo** have received a $1.13M grant from the the Department of Energy (DoE) under NNSA MSIPP Program. It is a part of a $4.95M grant awarded to a research consortium consisting of UNLV and three other universities as well as three DoE national labs. The project will investigate Machine Learning techniques to protect infrastructure from cyber attacks.

Mingon Kang was awarded an NSF grant (AWD-02-00001725) in the amount of $500K to acquire a GPU cluster for accelerating ongoing multi-disciplinary research, spanning biomedical/clinical research, intelligent transportation systems, genomics, physics, and astronomy.