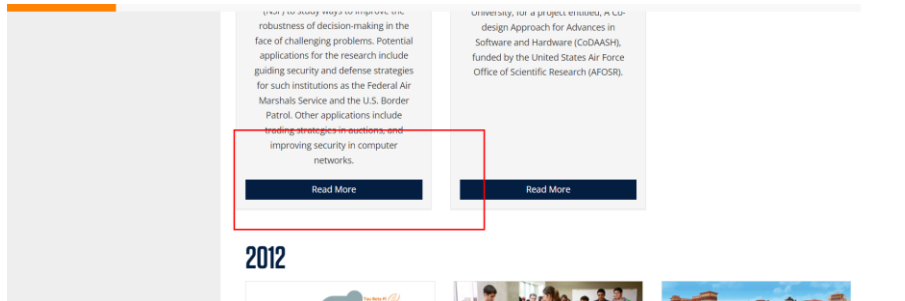
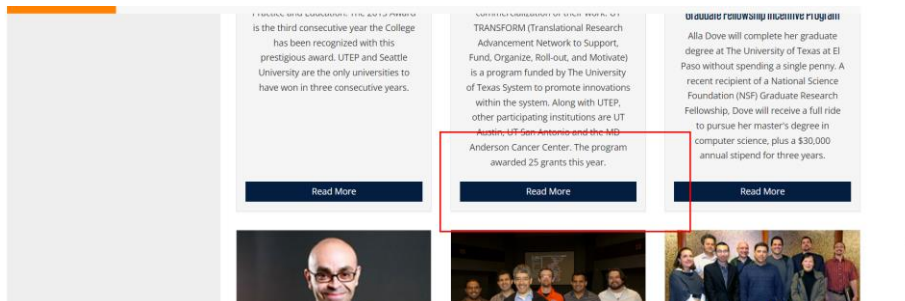


Broken Links Report

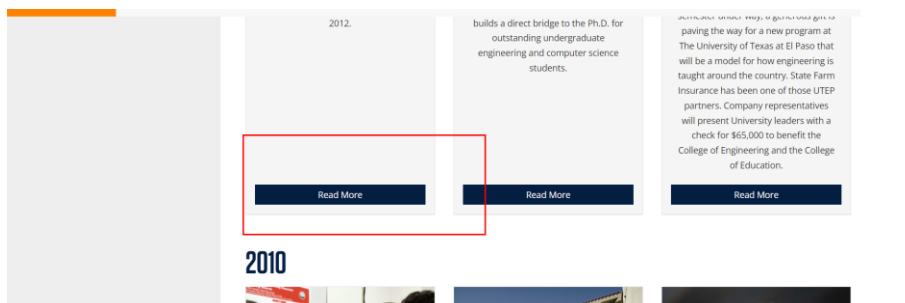
- Broken link on <https://www.utep.edu/cs/Events/events-page-test.html> on **Main Content** section, the broken link is displayed as: **Read More** and the link is pointing to : <https://www.utep.edu/cs/news/news-2013/congratulations-dr-kreinovich112>



- Broken link on <https://www.utep.edu/cs/Events/events-page-test.html> on **Main Content** section, the broken link is displayed as: **Read More** and the link is pointing to : <https://www.utep.edu/cs/news/news-2013/congratulations-dr-kreinovich1124>



- Broken link on <https://www.utep.edu/cs/Events/events-page-test.html> on **Main Content** section, the broken link is displayed as: **Read More** and the link is pointing to : <https://www.utep.edu/cs/news/news-2011/congratulations-dr-kreinovich1>



- Broken link on <https://www.utep.edu/cs/Events/seminars.html> on **Main Content** section, the broken link is displayed as: <https://academics.uccs.edu/~ooluwada/> and the link is pointing to : <https://academics.uccs.edu/~ooluwada/>

Dr. Oluwatosin Oluwadare is an Assistant Professor of Computer Science and Innovation at the University of Colorado, Colorado Springs (UCCS). He received his Bachelor of Technology degree in Computer Science (CS) from the Federal University of Technology, Akure, Nigeria, his Master of Science degree in CS from the University of Texas, Arlington, and his Ph.D. in CS from the University of Missouri, Columbia. Dr. Oluwadare's research focus areas are Bioinformatics & Computational Biology, Machine Learning, Deep Learning, and Big data analytics. He has proposed and been published in reputable journals and has developed novel methods focused on machine learning applications in bioinformatics. Dr. Oluwadare is the Director of the Oluwadare Lab research group at UCCS, where he and his students focus on developing computational methods to address complex biological questions. More details about his research and research group can be found at <https://academics.uccs.edu/~ooluwada/>.

Dr. Oluwadare has a keen interest in researching in machine learning and its various applications. He proposed and led the development of a software app called EyeCYou; this app uses AI to provide the facial description of a person to the visually impaired. Learn More about EyeCYou here: <http://eyecyouapp.com/>. The app is freely available for download on the apple app store.

Towards Reliable Machine Learning

CALENDARS

- Broken link on <https://www.utep.edu/cs/Events/seminars.html> on **Main Content** section, the broken link is displayed as: <https://web.mst.edu/~tauritzd/CSSI/> and the link is pointing to : <https://web.mst.edu/~tauritzd/CSSI/>

DR. OLUWATOSIN OLUWADARE

Monday, February 4, 4:30-5:30

CLB 305

Abstract:

Many national security problems are wickedly hard in that they map to computational problem classes which are intractable. This seminar aims to illuminate how artificial intelligence approaches can be created to address these problems and produce useful solutions. In particular, two promising approaches will be discussed, namely (i) computational game theory employing coevolutionary algorithms for identifying high-consequence adversarial strategies and corresponding defense strategies, and (ii) hyper-heuristics employing evolutionary computation for the automated design of algorithms tailored for high-performance on targeted problem classes.

The first approach will be illustrated with the Coevolving Attacker and Defender Strategies for Large Infrastructure Networks (CEADS-LIN) project funded by Los Alamos National Laboratory (LANL) via the LANL/S&T Cyber Security Sciences Institute (CSSI) [<https://web.mst.edu/~tauritzd/CSSI/>]. This project focuses on coevolving attacker & defender strategies for enterprise computer networks. A proof of concept for operationalizing cyber security R&D from this project demonstrated in simulation that coevolution is capable of implementing a computational game theory solution for adversarial models of network security. Currently a high-fidelity emulation framework with intelligent attacker and defender agents is being developed with as end goal to provide a fully automated solution for identifying high-impact attacks and corresponding defenses.

The second approach will be illustrated with the Scalable Automated Tailoring of SAT Solvers project funded by Sandia National Laboratories with supplemental funding from the Computer Research Association's Committee on the Status of Women in Computing Research (CRA-W), and with the Network Algorithm Generating Application (NAGA) project funded via CSSI. These projects show how hyper-heuristics can be employed to create

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