BEST PRESENTATION AWARDS

(AMAZON GIFT CARD)

1ST AWARD: \$200

2ND AWARD: \$150

3RD AWARD: \$100

The Computer Science Research Workshop is managed by the Computer Science Graduate Program Committee.

For comments:

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9TH ANNUAL COMPUTER SCIENCE RESEARCH WORKSHOP

5 APRIL 2019 PKI 158

EVENT SCHEDULE

	MORNING SESSION
9:30	Opening Social
	AI, MACHINE LEARNING, DATA ANALYSIS
10:00	Learning from Imbalanced Datasets: Evaluating the Predictive
	Accuracy of Minority Classes
	Student: Adithi Deborah Chakravarthy
	Advisors: Dr. Qiuming Zhu, Dr. Zhengxin Chen
10:15	A Technique for Improving Classification Accuracy of Highly
	Imbalanced and Sparse Datasets
	Student: Sindhura Bonthu
1000	Advisor: Dr. Qiuming Zhu
10:30	An Application of Artificial General Intelligence in Board Games
	Student: Nathan Skalka
10.45	Advisor: Dr. Raj Dasgupta
10:45	Machine Learning Techniques for Predicting Mobility-Related
	Perception Errors in Astronauts Student: Steven Belcher
11:00	Advisor: Dr. Raj Dasgupta Intelligent and Human-Aware Decision-Making for Semi-Autonomous
11:00	Human Rehabilitation Assistance Using Modular Robots
	Student: Anoop Mishra
	Advisor: Dr. Raj Dasgupta
11:15	Processing Narratives by Means of Action Languages
11.13	Student: Craig Olson
	Advisor: Dr. Yuliya Lierler
11:30	Co-Designing an Academic Focus Mobile Application
	Student: Farhat Afzali
	Advisor: Dr. Briana Morrison
11:45	Analysis of Subgoal Data in Computer Science Principles -
	Data Cleaning
	Student: Hari Ramilison
	Advisor: Dr. Briana Morrison
	LUNCH BREAK
12:00	Pizza Lunch

AFTERNOON SESSION

	SOFTWARE ENGINEERING
12:45	Tool Support for Recurring Code Change Inspection with
	Deep Learning
	Student: Krishna Teja Ayinala
	Advisor: Dr. Myoungkyu Song
1:00	Automated Tool Support for Security Bug Repair in
	Mobile Applications
	Student: Larry Singleton
	Advisors: Dr. Harvey Siy, Dr. Myoungkyu Song
	PROGRAMMING LANGUAGES
1:15	Automatic Program Rewriting for Non-Ground Answer Set Programs
	Student: Nicholas Hippen
	Advisor: Dr. Yuliya Lierler
1:30	Dynamic Lazy Grounding in Answer Set Programming
	Student: Brian Hodges
	Advisor: Dr. Yuliya Lierler
	VIRTUALIZATION, SIMULATION
1:45	Simulator for Quibit Measurement Using Augmented Reality
	Student: Sai Pradeep Koneti
	Advisors: Dr. Mahadevan Subramaniam, Dr. Abhishek Parakh
2:00	Implementation of Fast Hydraulic Erosion Simulation and
	Visualization on GPU
	Student: Brian Hawkins
	Advisor: Dr. Brian Ricks
2:15	Snack Break
	INTELLIGENT NETWORK SYSTEMS
2:45	Conflict Resolution Using Alpha-Shapes for Distributed Robotic
	Sampling of Ambient Phenomena in Initially Unknown Environments
	Student: Bradley Woosley
	Advisor: Dr. Raj Dasgupta
3:00	A Formal Approach to Circle Formation in Multi-Agent Systems
	Student: Rui Yang
	Advisor: Dr. Azad Azadmanesh
3:15	Consensus-Based Robotic Formation Control
	Student: Satish Reddy Modugu
	Advisor: Dr. Hassan Farhat
3:30	Performance Analysis of Voting Algorithms in Wireless
	Sensor Networks
	Student: Aditi Mishra
0.45	Advisor: Dr. Azad Azadmanesh
3:45	Parallel Scalable Algorithms for Updating Dynamic Networks
	Student: Sriram Srinivasan
4.00	Advisor: Dr. Sanjukta Bhowmick
4:00	Closing Social