

## **NTASC Schedule**

8:00 Registration

8:45 Opening Session, Bolin 100

10:00 Break

10:15 - SESSION 1

ROOM 100

### **Authentication Methods**

Jimmie Hinson, Brian Turner

Dr. Jawad Drissi, Cameron University

### **AI's Toughest Obstacle: The Human Conscience**

Darien Cortez

Dr. Ranette Halverson, MSU Texas

### **Ant Colony Systems and Application to the Travelling Salesman Problem**

Saikiran Palimpatti

### **Automated Grow Light System For Biological Research.**

Melanie Ronoh, JP Cognasi, Jason Perkins, Joseph Randall

Dr. Jeong Tae Ok, Dr. Zeki Ilhan, MSU Texas

The objective of this project is to provide biological researchers with an apparatus to control the position of an

ROOM 127

### **Bionic Robot Hand with Force Feedback**

Dieonna George, Nchetachukwu Anih, Chance Craig, Kenneth Griffin

Dr. Yu Guo, MSU Texas

### **Technological Singularity**

Brice Allard

Dr. Ranette Halverson, MSU Texas

### **Should You Ever Use A Linked List?**

Cory Press

Professor Richard Simpson, Dr. Ranette Halverson, MSU Texas

### **Data Security in the Cloud**

Bradley Baker, Eleazar Rodriguez

Dr. Jawad Drissi, Cameron University

ROOM 320

### **Quantum Computing: Is The Future Here?**

Jakob Lopez

Dr. Ranette Halverson, MSU Texas

### **Empirical Analysis of the Application of the Day, Stout, Warren Algorithm to Binary Trees**

Jesse Houk

### **Automated Pencil Sharpening System & Vision Inspection System**

Jedeshkeran Chandrasegaran, Afolabi Adereti, Parth Sagpariya, Calvert Aaron

Dr. Jan Brink, Dr. Yu Guo, MSU Texas

### **Biometric Based Attendance Tracking System Using Facial Recognition**

Ali Ahmadiadi

Dr. Terry Griffin, MSU Texas

ROOM 312

### **Cache-friendly Binary Search Tree: Using Contiguous Memory to Improve Run-time Of BST Operations**

Travis Rowe

Professor Richard Simpson, Dr. Ranette Halverson, MSU Texas

### **A Mask R-CNN Implementation for Ship Detection in Satellite Imagery**

Brodway Walker, Tanaka Madyara

Dr. Eduardo Colmenares, MSU Texas

### **Data Privacy: The Truth**

Clorissa Callender

Dr. Ranette Halverson, MSU Texas

### **Design And Implementation Of A Bionic Robot Arm**

Omar Clarke, Michael Sweeting, Nicholas Wolf, Jomarie Leblanc

Dr Yu Guo, MSU Texas

## ROOM 213

### **Users Guide to the "Right" Choice**

Keona Rollerson

Dr. Ranette Halverson, MSU Texas

### **Text Classification**

Anusha Karnati, Sneha Reddy Magutam, Saikishan Naraparaju

Dr. Eduardo Colmenares, MSU Texas

### **Gun Runner**

Jamal Joseph, Zac Maughan

Dr Eduardo Colmenares, MSU Texas

### **Dynamic Filtration Test Experiments Design**

Jenom Pyeng, Tapiwa Gasseler, Jedeshkeran Chandrasegaran

Dr. Mahmoud Elsharafi, MSU Texas

## ROOM 209

### **Git-ing Set Up with Git & Github**

David McGinn

Dr. Ranette Halverson, MSU Texas

### **Multiphase Flow in Welbore**

Tapiwa Gasseler, Abdulhadi Alsadi, Till Gebel, Abigail Reyes

Dr Mahmoud Elsharafi, MSU Texas

Multiphase flow is found in various places both in nature & in practice, but it is commonly seen in the

### **Open Channel Flow**

Blake Jenkins, Timothy Jones, Grantley Adams, Zach Voorhies

Dr. Sheldon Wang, MSU Texas

### **Movie Recommender System**

Garrett Morris, Benjamin Shelton

Dr. Eduardo Colmenares, MSU Texas

## 11:40 - SESSION 2

## ROOM 100

### **Data Breach: Exploiting Human Vulnerabilities**

Luong Dinh

Dr. Ranette Halverson, MSU Texas

### **Building A Deep Learning Framework in C++**

Corbin Matamoros, Matthew Stanley

Dr. Eduardo Colmenares, MSU Texas

### **Deflection Of GPHE Plates Under Hydrostatic Pressure**

Joseph Munholland, Chengxiang Xiao, Brian Blair, Chenai Sukume

Dr. Salim Azzouz, MSU Texas

### **Virus.exe.malware**

William Divine

Dr. Ranette Halverson, MSU Texas

## ROOM 127

### **YouTube: A Self-made Copyright Catastrophe**

Garrett Gulker

Dr. Ranette Halverson, MSU Texas

### **Facial Expression Recognition Using CNN**

Sai Chand Kilari, Sai Nagesh Vadlani

Dr. Eduardo Colmenares, MSU Texas

### **The World of Color**

Clorissa Callender

Dr Terry Griffin, MSU Texas

### **Distributed Denial of Service**

Greg Derichsweiler

Dr. Jawad Drissi, Cameron University

## ROOM 320

### **Deep Learning In Artificial Intelligence**

Gbolade Patunola-Ajayi

Dr. Jawad Drissi, Cameron University

### **Solving Modern Problems with Contemporary Programming**

Holden Hall

Dr. Catherine Stringfellow, Dr. Ranette Halverson, MSU Texas

### **PLC Operated Pick & Place Pneumatic Robot**

Frankline Akech, Mi'kyle Percentie, Jenom Pyeng, Bryan Rutledge

Dr. Jan Brink, MSU Texas

### **Spectre: Hype vs. Reality**

Buddy Smith

Dr. Ranette Halverson, MSU Texas

## ROOM 312

### **Emotion Recognition Technology for Children with Autism**

Cory Michener

Dr. Ranette Halverson, MSU Texas

### **Mobile Wireless Surveillance System with Unpredictable Motion**

Virgil Henry, Mamgoree Sock, Juwel Williams, Darrell Middlesworth

Dr. Sheldon Wang, MSU Texas

### **UVA: Helpful Tool for Developing Programmers**

Ernest Hernandez

Dr. Ranette Halverson, MSU Texas

### **Development & Applications of 3D Printing Technology**

Dillan Nesmith

Dr. Jawad Drissi, Cameron University

## ROOM 213

### **Image Text Recognition**

Saikiran Palimpati, Sai Rama Krishna Tummala

Dr. Eduardo Colmenares, MSU Texas

### **Video Object Removal**

Zachary Maughan

Dr. Tina Johnson, Dr. Ranette Halverson, MSU Texas

### **Object Detection Using Tensorflow**

Don Wijesinghe

Dr. Eduardo Colmenares, MSU Texas

### **Robot Soccer Using Artificial Intelligence**

Joshua Washington, Carson Conrady, Garrett Syrus, Kuwin Wyke, Mpathi Nzima

Dr. Yu Guo, Dr. Jeong Tae Ok, MSU Texas

## 1:00 - Lunch – CSC Comanche Suites

## 2:20 - SESSION 3

## ROOM 100

### **Are You Busy?**

Jakob Lopez, Darien Cortez, Cory Press

Dr. Eduardo Colmenares, Dr. Terry Griffin, MSU Texas

### **Hearing Test Convertor**

Sarah Beaver, May Trinh, David McGinn

Dr. Eduardo Colmenares, Dr. Terry Griffin, Dr. Pat Mitchell, MSU Texas

### **Energy From Saltwater Mud**

Kelton Vidal

Dr. Mahmoud Elsharafi, MSU Texas

## ROOM 127

### **Amber Cams: Using Traffic Cameras to Aid Recovery of Kidnapped Victims**

Travis Rowe, Keona Rollerson, Ernest Hernandez

Dr. Eduardo Colmenares, MSU Texas

### **Arconic Dip Seal Project**

Heather Goolsby, Khoa Tran, Julie Goforth, William Mendez  
Dr. Salim Azzouz, MSU Texas

### **ROOM 320**

#### **Hotter'n Hell Hundred Mobile Application**

Shady Boukhary, Jeremy Glebe, Brice Allard  
Dr. Eduardo Colmenares, Dr. Terry Griffin, MSU Texas

#### **Information Thieves**

Zac Conley  
Dr. Ranette Halverson, MSU Texas

#### **Social Media & Big Data**

Raymond Price  
Dr. Jawad Drissi, Cameron University

### **ROOM 312**

#### **Quicker Queue**

Luong Dinh, Garrett Gulker, Holden Hall  
Dr. Eduardo Colmenares, MSU Texas

#### **Salt Ion Removal from a Brine Solution**

Jonathan Granger, Phelecia Scotland  
Dr. Salim Azzouz, MSU Texas

#### **An Approach Of Solving Algebraic Equations Through Animation**

Yujin Yoshimira, Samuel Mullins, Jesse Houk  
Dr. Eduardo Colmenares, MSU Texas

### **ROOM 213**

#### **Virtual Reality in Medical Applications**

Alex Berg, Robert Arreola, Jerall Jones  
Dr. Jawad Drissi, Cameron University

#### **MSU Email Retrieval System**

Cory Michener, Saikiran Palimpati, Brett Workman  
Dr. Eduardo Colmenares, Dr. Terry Griffin, MSU Texas

#### **Voice Recognition with Neuronal Networks**

Neeharika Kasarla, Deepthi Tummala  
Dr. Eduardo Colmenares, MSU Texas