North Texas Area Student Conference
Saturday, April 21st, 2018

8:15  Registration: Bolin Science Hall, West Hall

8:45  Opening Session — Bolin Science Hall, Bolin 100
      Welcome: Dr. Margaret Brown Marsden
              Dean, College of Science and Mathematics
      Introduction of Keynote Speaker: Dr. Ranette Halverson
              Chair, Department of Computer Science

 KEYNOTE SPEAKER

      Dr. Augustine Fou
      Cybersecurity & Ad Fraud Expert

10:00  Break: Refreshments served in Foyer before and after
       Opening Session

10:15  Session I
       A: Bolin 100
       B: Bolin 127
       C: Bolin 320
       D: Bolin 312
       E: Bolin 213
       F: Bolin 209

11:40  Session II
       A: Bolin 100
       B: Bolin 127
       C: Bolin 320
       D: Bolin 312
       E: Bolin 213
       F: Bolin 209

1:00  Lunch — Comanche Suites
       Clark Student Center

2:20  Session III
       A: Bolin 100
       B: Bolin 127
       C: Bolin 320
       D: Bolin 312
       E: Bolin 213
       F: Bolin 209
Session 1A, 1B, 1C, 1D, 1E and 1F  10:15 am to 11:35 am

Session 1A: Bolin 100
Swornim, Mahajan, Budhachetri
Kinya, Reynolds, Rhodes, Burros, Peregrino
Campbell
Ellis

Computer Vision for Artificial Intelligence
Pneumatic Robot
3D Bioprinting: It’s a Beautiful Day to Save Lives
Virtual Reality: Your Job’s Future

Session 1B: Bolin 127
Perez
Cook
Trebing
Jenny

JavaScript Web Technologies in Aeronautics
GPS: New Threat or Old Vulnerabilities?
High Performance Computing Meets Modern Medicine
Parking Lot Location with Machine Learning

Session 1C: Bolin 320
Duhan
Hale
Moss, Nikayaramba
McKissick

How Dark is the Dark Web?
Big Data
Salt Ions Separation Study When Exposed to an Electric Field
More Than Human: Bionic Enhancement of Human Performance

Session 1D: Bolin 312
Press
Khalid
Moe, Chandler, McLain
Ramzan

Can Parallelism Speedup Quadratic Least Squared Computation
The Invisible Machine of Wall Street
Crystal Memory: A Solution to Long Term Data Storage
Has Your Brain Been Hacked

Session 1E Bolin 213
Nash
Shah
Orozco, Witherspoon, Munoz, Ivey
Lord

BotNets: How You Are Helping the Hackers?
Bitcoin
Automation of a Gear/Chain-based Transmission
3D Printing: Even Your Car Can Be 3D Printed

Session 1F Bolin 209
Yoshimura
Cox
Savage, Allen, Arrington, Sims
Placencia

Application of Artificial Intelligence in the Domain of Criminal Court
Machine Learning
On Slippage of a Sucker Rod Pump System
Autonomous Vehicle: Security Threats

Session 2A, 2B, 2C, 2D, 2E and 2F  11:40 am to 1:00 pm

Session 2A: Bolin 100
Wood
Airou
Bookhary

Social Bots: The Real Robots in Disguise
Latency in Virtual Reality: A Hardware vs. Software Analysis
Radix-2 Fast Fourier Transforms: Performance Analysis of Sequential & Different Parallel Approaches
Censoring Sensors: Did YouTube Kill Free Speech?

Session 2B: Bolin 127
Shelton
Shree, Leal
Egloff, May, Moody, Parnell, Reyes
Smith

AI Chips: Are They Ranch or Barbeque Flavored
Would Your Robot Like Some Pi?
Hound Drone

Session 2C: Bolin 320
Mapovie
Tracy, Donon, Mannino, Hendrikson
Harrelson
Hill, Sayeed

Enhanced: Job Automation and Worker Augmentation
Development of a Lizard Preferred Body Temperature Data Collection Apparatus
Net Neutrality: An Internet for the Rich
The Concepts of Quantum Computing
<table>
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<th>Session 2A, 2B, 2C and 2D (continued)</th>
<th>11:40 am to 1:00 pm</th>
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<tr>
<td><strong>Session 2D: Bolin 312</strong></td>
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<tr>
<td>Redhead</td>
<td>The Year 2030: Do Humans Still Interact?</td>
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<td>Boukhary</td>
<td>Packing Lot Occupancy Tracking</td>
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<td>Sanders</td>
<td>3D Painting Applications in Space</td>
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<td>Moeller</td>
<td>Artificial Consciousness: Constructing the Mind</td>
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<td>Washington, Nzima</td>
<td>Robot Soccer Using Artificial Intelligence</td>
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<td>Tomei</td>
<td>Electronic Implants: Overcoming Challenges</td>
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<td>Coleman</td>
<td>Ransomware: The Modern Cyber Flu</td>
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<th>LUNCH 1:00 PM TO 2:10 PM</th>
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<td>Placencia, Ellis, Trebing</td>
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<td><strong>Session 3C: Bolin 320</strong></td>
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<td>Hamilton, Nash, Troester, Conley, Enslen</td>
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<td>Lord, Shelton, Cook, Khalid, Reyes, Reyes</td>
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<td>Trebing, Callendar, Duhan, Vijayaraman, Ramzan</td>
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<td>Gregory, Kaufman</td>
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