



## **Conference Attendance**

**Dr. Eduardo Colmenares** attended GTC (GPU Technological Conference) in San Jose, CA, in May. GTC is the largest for GPU developers worldwide, offering 500+ sessions covering GPU related topics, including to Scientific & High-Performance Computing, Algorithms, Astronomy & Astrophysics, Performance Optimization, Finance, Healthcare, Accelerated Analytics, & Autonomous Vehicles. The conference directly supports the Turing Cluster Computer installed in the Dept. of CMPS in Fall 2016.

**Dr. Bingyang Wei** participated the SEED (Security Education) workshop May 30-June 2, Syracuse Univ., NY. The 4-day workshop included a suite of instructional laboratories to be effectively used in computer security courses to enhance students' learning. ~ Wei presented "A Comparison of Two Model Transformation Frameworks for Multiple-viewed Software Requirements Acquisition" at the 29th International Conference on Software Engineering & Knowledge Engineering, Pittsburgh, July 5.

## **Faculty Summer Presentation**

**Dr. Catherine Stringfellow** presented "Emotionally Intelligent Tutoring Systems" at SAI Int'l Computing Conference in London, July. (With Dr. Dittika Gupta (EDUC), R. Mohanan) ~ Stringfellow was a reader for the CS Advanced Placement Exam in KCY, MO, June.

## **Region 9 Science & Mathematics Conference**

COSM faculty hosted a table promoting COSM programs at the conference for pre-K--12 teachers on June 15. Workers included **Ranette Halverson, Richard Simpson, Catherine Stringfellow, Cerise Wuthrich, Bingyang Wei (CMPS)**, Sarah Cobb, Guy Bernard, Terry McDonald (MATH), Jeong Ok, Mahmoud Elsharafi, JT Ok (MENG), Jon Price, Rebecca Dodge (GEOS).

## **YES Camp**

Under the direction of Drs. Sheldon Wang, Yu Guo & Denise Simmons, the McCoy School of Engineering received grants for MSU Young Engineers Summer (YES) Camp: \$120,000 from Arconic Foundation (2017 -2020) & \$11,727 from Texas Higher Education Coordinating Board (THECB) (2017). The June camp hosted 40 student participants out of more than 100 applicants. COSM Faculty participating were Margaret Brown Marsden (Dean), Mahmoud Elsharafi, Raj Desai, Salim Azzouz, Yu Guo, Jan Brink, Jay Barnett, Jeong Ok (MENG), **Ranette Halverson, Tina Johnson, Catherine Stringfellow, Richard Simpson (CMPS)**, Marcos Lopez (MATH), Mike Shipley (BIOL), Scott Meddaugh, Rebecca Dodge, Jon Price (GEOS), Randall Hallford, Candace Fulton (CHEM), Jackie Dunn (PHYS), Grace Zhang (MIS) ~ Jay Barnett (MENG) supervised Lego Robotic construction & competition activities & helped in the closing ceremony.

## 20<sup>th</sup> Annual Math, Science & U Conference

The women faculty & staff of COSM hosted the 20<sup>th</sup> Annual Math, Science & U Conference for area middle school girls on Sat., Nov. 11. Twenty-four women majoring in COSM disciplines & Education assisted at the conference. A day of hands-on workshops & lots of food & fun were provided for the 86 girls & 17 teachers. **Dr. Catherine Stringfellow** (CMPS) served as conference chair; Dr. Michelle Knox (MATH) served as registrar. Four workshops were conducted: Dr. Robin Steininger (ENGR, graduate) & Roy Shawoon: “Don’t Blow a Gasket,” Drs. Michelle Knox & Sarah Cobb (MATH): “Secret Codes,” Raddiete Ghion (GEOS): “Watersheds,” & Dr. Stringfellow with M. Norris, A. Henry, C. Callender, S. Beaver, M. Trinh, A. Clare & S. Nagireddy (CMPS): “Coding Bugs.” Mandy Bailey (KWSO 7 News Meteorologist) was the luncheon speaker. Dr. Margaret Brown Marsden, Dean, gave the welcome. Also participating were Tricia Grear (Office of the Dean), Makenna Morton (COSM), **Dr. Ranette Halverson, Dr. Tina Johnson, Cerise Wuthrich, Richard Simpson, Christina Britt** (CMPS), Dr. Dawn Slavens, Lynn Jones, Sandra Belcher, Dr. Linda Fosnaugh, Denissa Pope (MATH), Dr. Rebecca Dodge (GEOS), Dr. Magaly Rincon-Zachary, Kathy Everett (BIOL), Deidre Frazier (ENGR), Dr. Dittika Gupta (EDUC), & Leslie Berryhill (Extended Education).

## Bowie Science Night

On November 6, the Depts. of Chemistry & Computer Science traveled to Bowie Intermediate School to participate in Science Night. Dr. Chris Hansen & 4 Chemistry students set up several experiments, including disappearing ink & creating slime. **Dr. Tina Johnson & student Evan Wood** took 6 Codeapillars to the event. The COSM Codeapillars are used to encourage critical thinking skills in a way that is entertaining as well as educational.

## Texoma Mini Maker Faire

The first annual Texoma Mini Maker Faire was held October 28<sup>th</sup> at MPEC. Maker Faire is an event highlighting innovation & experimentation across the spectrum of science, engineering, art, performance, & craft. It is a gathering of fascinating, curious people who enjoy learning & love sharing what they do. ~ The theme of MSU’s space was “*MSU makes \_\_\_\_\_*”, with programs across campus describing what they make in their roles at MSU. Participation includes faculty & students from MSU’s College of Science & Mathematics, Lamar D. Fain College of Fine Arts, Prothro-Yeager College of Humanities & Social Sciences, & the Robert D. & Carol Gunn College of Health Sciences & Human Services.

COSM exhibits included the following:

- Petroleum technology (Dr. Mahmoud Elsharafi)
- **Virtual reality (Dr. Tina Johnson)**
- Miniaturized ratchets (Dr. Jeong-Tae Ok)
- Pharmaceuticals (Dr. Randal Hallford)
- 3D Printing (Frank Bohuslav)
- Engineering Fun (American Society of Mechanical Engineers)
- Inventions (Michael Arthur Olaya)
- **Methods More Modern (Watson Lab, Richard Simpson)**
- Code-a-pillar Fun (Dr. Brown Marsden)

## Diwali

The annual Diwali celebration, hosted by the Midwestern Indian Student Association (MISA), took place in November 2017



## ACM Programming Team

Professor Richard Simpson, team coach, & Dr. Eduardo Colmenares took 2 teams to the annual ACM Regional Programming Contest at Abilene Christian Univ. in November. **The Kiowa team (A. Enem, A. Khalid, C. Browne)** solved 5 problems & the **Dakota team (T. Coleman, B. Harrelson, D. Tomei)** solved 3 problems, placing the teams at 20<sup>th</sup> and 42<sup>nd</sup> places out of 73 teams from universities in LA, OK & TX, outperforming teams from OU, Baylor, Abilene Christian, LSU, TCU, & others.

## Professor Publications

**Dr. Bingyang Wei** published, “From State Diagrams to Sequence Diagrams: A Requirements Acquisition Approach” in the *International Journal of Computers and Applications* (TJCA), Taylor & Francis.

## Intramural Research & Creative Rewards

**Drs. Bingyang Wei & Tina Johnson** received 2017-2018 Intramural Research & Creative Endeavors Award of \$1535 for “A Tool for Transforming Software Models to Identify Missing Requirements.”

## Dr. Passos Halloween Party

**Dr. Passos** held his annual Halloween Party on October 29<sup>th</sup>, 2017. This year’s theme was Pirates, students and Faculty alike. Unfortunately, his riddle won this year as no one was able to solve it. This year’s criminal was none other than **Dr. Wei!** There was a hanged man in the pirate ship who was identified as the North Korean Dictator Kim. The evidence pointing to **Dr. Wei** was 3 dynamite bars tied together making the letter H to symbolize a Hydrogen Bomb laying on top of a dinner plate. **Dr. Wei** killed him in retaliation because Kim had dropped a H bomb on China. The Clues were a ruler, to be interpreted as dictator; an international space station pin to associate Kim with rocket man; dark clothes; and a basketball, his favorite sport.



## **CMPS Summer 2017 Graduates**

### **Master of Science**

Mounika Akuthota  
Waseem Azher  
Adithya Bariki  
Gayatri Bhimani  
Scott David  
Satya Kollipara  
Mounika Madireddy  
Shaila Mogalapu  
Shashank Namala  
Nagendra Pasupuleti  
Tejaswi Prakhya  
Sheema Rohi  
Nanda Thineti

### **Bachelor of Science**

Ester Edwards  
Ryan Luig  
Anderson Nwammadi  
Shujing Zhang

## **CMPS Fall 2017 Graduates**

### **Master of Science**

Sai Biradhavolu  
Muni Dandu  
Shravani Gaddam  
Keerthi Gangidi  
Ashoknaidu Gedela  
Ajay Kandavalli  
Aditya Kankanala  
Madhuchirra Kattreddy  
Showrya Kollu  
Steven Kundert  
Jiaxing Liu  
Karan Madishetty  
Gyaneshwar Malba  
Lavanya Mengarabonia  
Shanmukh Nadella  
Saikiran Nagulapally  
Sowjanya Nemani  
Prakriti Pandey  
Krishna Saka  
Mahaboob Shaik  
Tejaswi Singam  
Olayinka Soyinka  
Nikhil Vangeti  
Thejaswini Vootkuri

### **Bachelor of Science**

Abdullah Alathel  
Amador Escatel  
Victor Nnabuenyi  
Christian Norfleet  
Joshua Regino  
Johnny Tran

### **Bachelor of Arts**

Jereme Webb

## **DONATIONS**

Donations made to MSU can be specifically designated for the Computer Science Department.