

COLLEGE OF NATURAL SCIENCE and MATHEMATICS

Minutes of Council of Chairs Meeting - February 18, 2019

A meeting of the Council of Chairs of the College of Natural Sciences and Mathematics was held on Monday, February 18, 2019. Stephen Addison presided; members present: Ginny Adams, Emre Celebi, Pat Desrochers, Carl Frederickson, Uma Garimella, Brent Hill, and Steve O'Connell. Members absent: Ramesh Garimella. Guests: Todd Abel representing Math.

Agenda Items:

1. Minutes from February 4, 2019 approved for posting.
2. Dean Addison reported on his presentations to the Finance Committee and Board of Trustees on the new annex and renovations to Lewis Science Center. Plans are for the new annex to house two engineering and three A&P labs with the requested occupy date of Fall 2020. The Board will vote on the project at their next meeting.
3. Dean Addison asked council to talk to their faculty about reporting issues in the classroom and the importance of addressing issues early so that they don't escalate. Student and Faculty safety is a priority.
4. Dean Addison asked council to update him on issues dealing with the Graduate School. Discussion followed.
5. The head of Walmart Cybersecurity came to campus to see the cyber range and is interested in partnering with UCA to develop some training using the range. A group from UCA will be going to visit Walmart's cyber security facilities in the near future. Dean Addison commended John Black on his presentation to Walmart.
6. Dean Addison reminded council that position and capital requests are due and asked that needs for the next two to three years be included in the requests.
7. Dean Addison encouraged council to attend Posters at the Capitol on Wednesday.

Other Items/Announcements

- CNSM student, Ashley Barto, received a Bear C.L.A.W.S. (Celebrating the Lofty Achievements of our Wonderful Students) Award from President Davis at the Board of Trustees meeting on February 15th.
- ASU Mountain Home sent a team to see the cyber range. They are developing a two-year cyber security program that will integrate well with ours and should help in recruiting students to transfer to UCA.
- Night Under the Stars alumni event will be Friday and Saturday, February 21st and 22nd.
- Ginny Adams advised council to email receipts for grant reimbursements to Sandy Ahne and Sharla Ashcraft in the grant office to help expedite the reimbursement process.

Chair Reports:

Biology

Dr. Hill reported:

- Brianna Trejo (M.S. student) gave a talk at the annual meeting of the Arkansas Entomological Society. She took first place in the master's student division:
 - Trejo B, Dussourd D, Gifford M. "Energetic Cost of Girdling in a Notodontid Caterpillar, *Oedemasia leptinoides*."

Chemistry

Dr. Pat Desrochers reported:

- STEM Posters at the State Capitol, February 20, involved over 100 students from 18 Arkansas four-year public and private universities. Interview of Desrochers about the event by KASU at <https://www.kasu.org/post/createstate-podcast-features-stem-posters-arkansas-capitol#stream/0>
- Six UCA posters, involving 7 students, were presented at STEM Posters at the Capitol:
 - Erica Smith, "Optimization of Microfluidic Paper-based Analytical Devices to Detect Low Concentrations of Tetracycline in Agricultural Settings"
 - Lillian McDaniel, "Fire History of an Unlogged Shortleaf Pine Forest in the Ouachita Mountains, Arkansas"
 - An Yang, Emily Tran, "A Cost Efficient Approach to the Discovery of New Drugs for Chagas Disease"
 - Ashley R. Barto, "Phytoremediation in *Helianthus annuus*: Seedling Establishment Inhibition and Translocation of Cadmium in a Simulated Bioswale System"
 - Ali Abdulrahim, "Controlling the Magnetic Properties of Iron so it can Replace Costly Rare Earth Metals in High-Tech Applications"
 - Shivange Satishbhai, "Arkansas Wildflower Honey is as Effective as Manuka Honey for the Inhibition of Antibiotic Resistance Bacteria"
- Faith Yarberry received word from the Arnold Beckman Scholar's program that the department is invited to submit a proposal in June. This private foundation funds 1-4 undergraduate researchers each summer and includes about \$5000 additional for faculty mentors. If successful, the project would begin funding students for summer 2020.
- Makenzie Long attended a Pearson Digital Learning Summit in Orlando, FL (Feb 21, 22). This is a workshop involving educators to provide feedback and suggest improvements in some of the Pearson digital learning resources they use in their classrooms.

Computer Science

Dr. Emre Celebi reported:

- Ahmad Patooghy served as a judge at the CJHS/CHS Science Fair at Clinton Junior High School.
- Sinan Kockara reviewed grant applications for the Florida Department of Health Biomedical Research Programs.
- Emre Celebi was elected to the editorial board of the Journal of Electronic Imaging.

Geography

Dr. Stephen O'Connell reported:

- No Report.

Mathematics

Dr. Ramesh Garimella reported:

- No Report.

Physics

Dr. Carl Frederickson reported:

- No Report.

STEM Institute

Dr. Uma Garimella reported:

- No Report.

Development Officer

Aimee Poynter reported:

- No Report.