

## **CASA Dean's MMU (Monday Morning Update)**

Monday, November 16, 2015

Dear Colleagues,

This Saturday CASA will be hosting the second annual ASA Multidisciplinary Research Symposium at the Student Center, featuring presentations and poster sessions about various topics in applied sciences and arts as well as a student poster competition. We will start at 9:00am in the Old Main Room with Interim Chancellor Colwell providing welcoming remarks. Concurrent sessions will start in the River Rooms at the Student Center and a Big Data workshop will start at 9:30am in the Morris Library Auditorium. An IBM team of experts will provide a hands-on introduction and training using IBM Watson Analytics software. This workshop is open to faculty and students, so please bring a laptop with you to practice smart data discovery, collaborative analysis combining data from Twitter, Cognos Enterprise Reporting systems, standard relational databases and cloud data storage sources. The first 100 attendees registered will be given complimentary licenses of IBM® Watson™ Analytics Professional Edition. The major topics of this workshop are the following:

- Data preparation, refinement, management and analysis are automated and available from the cloud so you can easily work with your data and trust the results.
- Automated intelligence enables you to draw conclusions based on what's happened in your business any why.
- Visualizations that best show what's important can create clear and compelling infographics to support your decisions and effectively communicate with others.
- Statistical analysis, correlations and predictions help you see what's likely to happen and what you can do about it.

Following the workshop there will be time to speak with the experts from IBM and learn more about the software and tools. Guyon Auditorium has wireless internet connection and power sockets at each seat.

Concurrent Session I and II will take place in the Student Center River Rooms from 9:30am - 10:30am. During a break from 10:30am - 10:45am, refreshments will be provided. After the morning break, concurrent Sessions III and IV will take place. Interim Provost Ford is our lunch speaker at 12:00pm.

Concurrent Sessions V and VI are from 1:00pm to 2:00pm, and the Big Data Panel Session is from 1:30pm to 3:00pm. Panelists include Steven Miller from IBM Analytics, Kevin Rush from the American Registry of Radiologic Technologists, Dr. Shahram Rahimi, who chairs the SIU Computer Science department, and Reggie Townsend from the SAS Institute. Session VII and VIII are presentations from faculty who received external or internal research grants last year.

The poster review session and student poster competition is from 1:00pm - 3:00pm. Following an afternoon break, the poster competition results will be announced and awards will be presented. Registration is required to participate in the symposium and the workshop. To register, please visit: <http://research.asa.siu.edu/symposium/registration.php>. Thank you for your interest in this symposium. Please find attached pdfs of the symposium schedule. I hope to see you all there supporting the faculty and student presenters from SIU as well as from St. Louis University, Washington University, University of Kansas, and Carbondale Community High School.

## CONGRATULATIONS

- Ally Financial Donates New Car! Ally Financial, a major provider of vehicle financing and protection services in the U.S. is a great supporter of SIU Automotive Technology (AUT) in funding scholarships, providing paid corporate internships, and offering numerous career opportunities for graduates. Recently, Ally executives delivered to SIU a new 2015 Chevrolet Malibu valued at over \$30,000. Painted in Saluki Maroon, the vehicle will provide numerous opportunities for undergraduate research and training. The donation was made possible by several Ally executives and SIU Automotive graduates. Thank you Ally, and congratulations to **Mike Behrmann** and all AUT faculty, staff, and students!



- Four School of Architecture faculty **Siwon Cho** (Associate Professor), **Laura Morthland** (Associate Professor), **Laura Kidd** (Associate Professor), and **Shelby Adkinson** (Assistant Instructor) received the Paper of Distinction Award in Pedagogy Track at the *2015 Annual Conference of International Textile and Apparel Association (ITAA)* in Santa Fe, NM, November 9 - 13, 2015. Congratulations!
- Dr. **Qian (Jenny) Huang**, Assistant Professor of Architecture, had a peer-reviewed paper titled “System Design, Analysis and Optimization of Li-Fi based Energy Harvesting Embedded Systems for ‘Internet of Things’ Applications” accepted for presentation at *International Conference on Internet of Things and Convergence (ICIoTC2015)*, November 26-28, 2015, Daejeon, Korea. Congratulations!
- Dr. **Charla Lautar**, Professor of Dental Hygiene, has a peer-reviewed poster titled “Dental Hygiene Students’ Reflections Participating in a Dental Sealant Program” accepted for presentation at the *2016 American Dental Education Association Annual Session & Exhibition* program to be held at March 12-15, 2016 in Denver, Colorado. Congratulations!
- This semester, a group of eleven students in **Chad Schwartz**’s ARC 351 third-year architecture studio have been working with the physics department to create designs for a new observatory for SIU’s campus. Carbondale is uniquely positioned to be in the path of totality for two upcoming solar eclipse events – the first in 2017 and the second in 2024. In addition, we are located near the point of greatest duration for the 2017 event. Planning has begun on campus to create the

opportunity for a variety of events and observations during this first eclipse. As a part of the coordination, this studio project asked the students to design a new observatory space on a site located on the University Farms property. The observatory designs were created in three phases. The first phase is the project that the physics department is seeking funding to build and will meet the basic needs for a serviceable site. The second and third phases add program spaces that could ideally contribute to the functionality of the facility at some point in the future. In addition to serving the needs of the physics department and of the campus during the 2017 eclipse, this observatory will be used to support citizen and amateur science both locally and nationally, such as through project Citizen CATE (Continental American Telescope Experiment), and to educate the general public about astronomy.

On Monday, November 9<sup>th</sup>, the students presented their final designs to a group of faculty and students from the School of Architecture and the College of Science in the gallery at Quigley Hall. Now that the student's design work is complete, the physics department will be using the materials they created to attempt to solicit funding for the building of a phase I observatory. The hope is that one or more of the student's designs will be the catalyst for the real project, allowing their work to directly translate into tangible, productive space for the campus and the community.

Students participated in this project include: Jared Matsel, Hector Mendoza, Teresa Meyer, Shelby Orr, Julian Phillips, Caroline Simmons, Eliyah Swopes, Devin Tegman, Aaron Uhe, Kaitlin Whitaker, and Wesley Whitman. Congratulations!





Local news media that covered this story include: KFVS:

<http://www.kv.com/story/30476363/siu-students-design-observatory-for-2017-solar-eclipse>; and

WSIU: <http://news.wsu.org/post/siu-architecture-students-design-hi-tech-facility-observe-2017-total-solar-eclipse#stream/0>.

- Lamboo (laminated bamboo) beams are being used at the new Williamson County Airport Terminal in Marion. Last Tuesday, several students and a few faculty went over to see them and the local press covered the event. This is the result of the research **John Dobbins**, Associate Professor and Head of Graduate Studies in Architecture, did with then student **Luke Schuette** about five years ago. Mr. Dobbins helped Luke set up structural calculations, get tests for the products, and they created a series of standard connection / installation details in foot-inch and metric units and in both English and Spanish. Now the research has been used in construction. Congratulations!



Here are links to the stories if you would like to hear or read them: WSIU covered the Lamboo story during NPR news on November 11 and WSIL had a local news story on it as well: <http://news.wsiu.org/post/siuc-grad-sees-his-product-included-new-terminal-building-marion>. <http://www.wsiltv.com/story/30485471/bamboo-beams-at-the-williamson-county-airport>.

- Fourteen student representatives from each dental hygiene class along with faculty **Jennifer Sherry** and **Faith Miller** attended the 41st IDHA (Illinois Dental Hygienists Association) Annual Session in Effingham. Students participated in the House of Delegates as well as sold items to fundraise for their RSO. This is a significant part of their professional development. Jennifer was installed as IDHA Secretary. This is an executive position and is a 2-year commitment. Congratulations!



- **Kendall Lane**, a Southern Illinois University aviation graduate and First Officer for Sky West, spoke with the After School Matters AeroStars at Perspectives Charter School about his journey to becoming a pilot. The teens asked great questions and learned much about the day in the life of a pilot. They also learned about the skills, character and discipline it takes to achieve success. They also learned the difference between dreams and goals. The event was a huge success thanks Kendall for giving back, inspiring and changing lives! Congratulations!



### **AVT VETERAN'S APPRECIATION LUNCH**

The faculty and staff of the Aviation Technologies (AVT) Department invited all AVT students to enjoy lunch and cake last Tuesday, November 10, 2015, in the Student Lounge in the Transportation Education Center (TEC) to celebrate Veteran's Day. November 10, 2015 is the 240th birthday of the United States Marine Corps. SIU recently was named among the "Best for Vets: College 2016" by Military Times, an achievement SIU has earned in each of the six year rankings.



Data from SIU Veterans services shows the following interesting data:

1. AVT has the highest percentage of veteran students on campus.
2. Aviation Flight comes in third.
3. CASA programs make up 5 out of the top 10 programs with the greatest percentage of veteran students.

These are on campus students, not even factoring in our off campus military programs. When we celebrate Veteran’s Day, it’s worthwhile noting CASA’s long history of serving veterans and active-duty military.

Program	Veteran	Non Veteran	Total	Percentage
AVT	25	133	158	15.82%
AF	19	159	178	10.67%
FSM	9	84	93	9.68%
AVM	15	158	173	8.67%
TRM	4	46	50	8.00%
DH	7	104	111	6.31%
IST	13	195	208	6.25%

### **AD STAFF MEETING**

The Administrative (AD) Staff will meet on Wednesday, November 18, 2015, 9:00am - 11:30am in the Dean’s Conference Room. The tentative agenda of the meeting is below:

1. Welcome, open forum, and Dean’s briefing
2. Enrollment Targets for Fall 2016
3. State Budget Update and FY 2017 Hiring Plan
4. Round Table Discussion and Other Business

If you have any specific items that you feel the Administrative Staff should consider at the meeting, please send me your suggestions before 1:00pm Tuesday, 11/17/2015. All faculty and staff are invited to the open forum section of the Administrative Staff meeting from 9:00am - 9:30am.

### **FINE ARTS LECTURES**

Harold Linton, Professor of Art at School of Art in George Mason University, was invited to the School of Architecture (SOA) and conducted a Portfolio Design Workshop this past weekend (11/13/15 – 11/14/15). The workshop included a marathon flurry of hands-on design activities focused on the professional development of SIU architecture and interior design students at all levels of matriculation. A

Friday evening 1.5 hour slide lecture served to familiarize the students with an array of design issues affecting the successful layout design of their portfolios whether the intention or purpose is to make application to graduate school, seek employment, compete for an office internship, or file an application to a competition, fellowship, scholarship, and more.

Twenty-six (26) architecture and interior design students worked all day Saturday (9:00 a.m. - 5:00p.m.) on the layout design development of their architectural projects suitable for editorial design of a portfolio for print and/or digital applications. Several pin-up critiques punctuated the workshop with poignant discussion of the ideas underlying all the students' designs. Give and take discussions between Professor Linton and each students in the workshop personalized the experience for them as Linton enjoys one-on-one to probe for ideas and background info helpful to a successful trajectory of the students' design background into the formation of their portfolio.

A grand finale critique lasted approximately one-hour and pointed to each of the students' presentations with direction and advice for continuing development beyond the workshop experience. All of the students were invited to correspond with Professor Linton as they further the development of their work. Linton offered to review students' page layouts for their portfolio "books" beyond the workshop via a PDF submission to which Linton regularly will offer points of advice and further direction. Everyone seemed quite invigorated by the workshop (and lecture) program experience. Having an intensive "charrette" all-day certainly 'kick-started' their vision of professional standards and contributed to a vital awareness of the need to perform at a high level of design preparation.



## SIU CAMPUS IN OCTOBER



### CAMPUS IN OCTOBER

"I'm so glad I live in a world where there are Octobers."

-- L. M. Montgomery

"Autumn is a second spring when every leaf is a flower."

-- Albert Camus

"You expected to be sad in the fall. Part of you died each year when the leaves fell from the trees and their branches were bare against the wind and the cold, wintery light. But you knew there would always be the spring, as you know the river would flow again after it was frozen."

-- Ernest Hemingway



- Left photo was provided by Peter Smith, Associate Professor of Architecture who has been teaching an ARC 502 course covering architectural photography.

### 1 DAY STAND

The Dental Hygiene Program and the SIU Health Service will be co-sponsoring a virtual public health outreach this coming Thursday, Nov 19<sup>th</sup>: *1 Day Stand* - the college version of the Great American Smoke Out. <http://tobaccofreecampus.org/1daystand>. A class activity has been incorporated into DH 448 to provide assessment of social media messages (Tweets, Facebook posts) and apps to help tobacco users quit. Students will also be putting up posters around the campus. Volunteers from this class will be holding an outreach table between 10a and 2pm this Thursday at the north end of the Student Center. They will be handing out cards with messages to tweet to tobacco users and app information. They will also be demonstrating quit smoking apps on their phones.

### WORST TEACHING MISTAKE

"The traditional approach to teaching is to design lectures and assignments that cover topics listed in the syllabus, give exams on those topics, and move on. The first time most instructors think seriously about what they want students to do with the course material is when they write the exams, by which time it may be too late to provide sufficient practice in the skills required to solve the exam problems. It is pointless - and arguably unethical - to test students on skills you haven't really taught.

A key to making courses coherent and tests fair is to write learning objectives-explicit statements of what students should be able to do if they have learned what the instructor wants them to learn-and to use the objectives as the basis for designing lessons, assignments, and exams. The objectives should all specify observable actions (e.g., define, explain, calculate, solve, model, critique, and design), avoiding vague and unobservable terms like know, learn, understand, and appreciate. Besides using the objectives to design your instruction, consider sharing them with the students as study guides for exams. The clearer

you are about your expectations (especially high-level ones that involve deep analysis and conceptual understanding, critical thinking, and creative thinking), the more likely the students will be to meet them, and nothing clarifies expectations like good learning objectives."

- Richard M. Felder, North Carolina State University and Rebecca Brent, Education Designs, Inc.

### **ON THIS WEEK'S CALENDAR**

- Monday, November 16, 2015: 9:00am, meeting with Imari Woods, Student Senator representing CASA.
- Tuesday, November 17, 2015: 11:00am-12:00pm, Deans' Council Meeting with Jose from Admission, Anthony Hall Balcony Conference Room; 3:00pm, Advisors Meeting, Dean's Conference Room.
- Wednesday, November 18, 2015: 9:00am - 11:30am, CASA Administrative Staff Meeting, Dean's Conference Room.
- Thursday, November 19, 2015: 8:15am - 9:30am, Energy Savings Research Meeting, PSO Conference Room.
- Friday, November 20, 2015: 9:00am, Budget Meeting with Judy Marshall and Cheryl Reinhardt, Anthony Hall Room 321.
- Saturday, November 21, 2015: 9:00am - 5:00pm, ASA Research Symposium, Student Center Old Main.

### **AND FINALLY ...**

If you see something in this update that you want to comment on, please send me an email at my SIU email [awang@siu.edu](mailto:awang@siu.edu) or call me at 618-536-6682. Also, if you know of somebody who might be interested in receiving the CASA Dean's MMU, please ask them to send me an email and we will gladly add them to our mailing list. On the other hand, if you prefer not to receive the CASA Dean's MMU, please let me know, as well. Thank you.

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Dean, College of Applied Sciences and Arts