

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

### ***A Tradition of Excellence; A Standard of Success***

Tuesday, September 5, 2017

Dear Colleagues,

Due to the Labor Day holiday, this MMU is coming to you on Tuesday, September 5, 2017.

Thank you to all the faculty and staff that helped with and attended the CASA College Connection event on Wednesday, August 30, 2017. The goal of this event was to welcome students to a new academic year, engage new and returning students in various RSOs (Registered Student Organizations), and connecting students with faculty and staff. The event was, once again, a great success, and I hope that you enjoyed it as much as I did.

The event would not have been possible without the members of our CASA College Connection Planning Committee who contributed greatly their time and effort through their preparation and organization for the event. The committee members included Cara Doerr, Mary Nemetsky, Barb Lipe, Elaine Atwood, Robert Broomfield, Brandie Coleman, Michael Rowell, Sheila Cheatham, Brittany McElroy, Rhonda Ferguson, Nadine Wojnarowski, Jasmine Winters, and Lisa Grotts. Also Mike Behrmann, Mike Burgener, Scott Collins, Chad Waters, and Tom Shaw all attended at least one planning meeting as well. Aimee Lemrise, our new Academic Advisor in AVMAF, was hired just before the final committee meeting and could not attend, however she did volunteer and helped out for the event. Additional faculty or staff members that helped the College Connection: Eugene Tally picked up/dropped off the dunk tank with his jeep as well as helped set up and clean up. Nathan Black helped set up, clean up, worked the registration table and handled the scanners and IT set-up. Sam Chung, John Dobbins, Benjamin L Komnick, Tim Davis, Anthony Fleege, Shannon Anderson, Robert Rados, Martin Hebel, Rick McKinnies, Jennifer Sherry, Faith Miller, and Belle Woodward helped with games or handing out pizza/water/popcorn at some point throughout the evening or stayed to help clean up. Patti Diggle donated a prize and David Finnigan took pictures and helped with set-up. Sabina Waz, our student worker also helped set-up. Alireza Khamesipour, along with other ISAT students, set-up the ISAT Drone Cage and booth. Many faculty and staff volunteered at booths or stuck around to help clean up - I apologize if I forgot anyone - so many people helped; I am thankful for the time you took to help with the College Connection event, offering a welcoming and supporting environment to our students!

Below are some pictures taken from the CASA College Connection event, by Rusty Bailey, Nadine Wojnarowski, Rhonda Ferguson, and David Finnigan. Thanks.











## CONGRATULATIONS

- **Peter Smith**, Associate Professor of Architectural Studies and Interior Design, is always seeking innovative teaching strategies for educational innovation. This summer, in his ARC 121 Design Communication I and ARC 122 Design Communication II classes, he used new tools to stimulate creativity in design communication. Both courses brought culture and the cultural influence on design, developing students' creative ideas. The focus of the practice was on the skateboard art in California of an artist by the name of Basquiat who died in 1988. Students were highly engaged in the classes and continued to work on the course project even after the classes ended. The two pictures below give a snapshot of the classes. Please feel free to visit Quigley Gallery for further information.

Peter is one of many CASA professors using new techniques to further the College's reputation of innovation. These methods help keep students engaged as well as prepare them for an ever-changing future. Congratulations!



- **J. Kenneth Bro**, Assistant Instructor of Aviation Management and Flight, submitted his summer research report for his research project titled “FDM Machine Learning: An Investigation into the Utility of Neural Networks as a Predictive Analytic Tool for Go Around Decision Making.” The use of neural networks as a predictive tool in go around decision making appears successful. Low error rates indicate the model’s ability to recognize and predict trends with historic data. The success of neural networks in predicting behavior within this complex time-series multi-variable data is certain, but further study is necessary before developing any decision aide. Kenny will present his complete research results at the New Horizons in the Applied Science and Arts:

Rethinking and Remaking our World for the 21st Century, 2017 ASA Multidisciplinary Research Symposium, November 4th. Congratulations!

- Dr. **Jon D. Davey**, Professor of Architectural Studies and Interior Design, submitted his summer research report for his research project titled “The Operationalizing of Lynch’s Cognitive Representation Elements of Large Scale Environments,” collaborative with Professor Gregory Rose, Director, Center for Integrated Research in Cognitive & Neural Sciences, School of Medicine. The summer research result will be presented at the New Horizons in the Applied Science and Arts: Rethinking and Remaking our World for the 21st Century, 2017 ASA Multidisciplinary Research Symposium, November 4th. Congratulations!
- **Bryan T. Harrison**, Associate Professor of Aviation Management and Flight, submitted his summer research report for his research project titled “Online Aviation Master’s Degree.” From the preliminary research, an online Master’s degree should be 30-33 credit hours long with 9-hour research requirement, including a final research project/thesis. The remaining 21-24 credit hours could be taught with three courses a semester. Bryan will present his complete research result at the 2017 ASA Multidisciplinary Research Symposium, November 4th. Congratulations!
- Dr. **Qian (Jenny) Huang**, Assistant Professor of Architecture, submitted her summer research report for her research project titled “A Hybrid Smart Sensor Platform for Accurate Occupancy Counting towards Energy Efficient Buildings.” A preliminary sensor system has been developed, which realizes basic functions of gate monitoring detection, temperature and CO2 sensing, Linux operating system, Wi-Fi communication and a user-friendly interface. One international conference paper has been accepted by Construction Research Congress (CRC) 2018, which will be presented in Louisiana in April 2018. One grant proposal was submitted to the U.S. Department of Energy on August 21, 2017. Jenny will present her complete research result at the 2017 ASA Multidisciplinary Research Symposium, November 4th. Congratulations!
- Please join me in congratulating the Automotive Technology Department for its articulation agreement with St. Louis Community College, St. Louis, MO. The agreement has been signed by SIU administration and Dr. Andrew Langrehr, Vice Chancellor for Academic Affairs of St. Louis Community College. According to the agreement, all graduates of St. Louis Community College with an Associate of Applied Science (A.A.S.) degree in Automotive Technology and meeting SIU Carbondale admission requirements will be considered for admission into SIU Carbondale’s Bachelor of Science (B.S.) degree in Automotive Technology (AUT) in the College of Applied Sciences and Arts based upon the Department’s enrollment criteria and space availability. Congratulations to **Mike Behrmann** and all AUT faculty/staff!
- Please join me in congratulating the School of Information Systems and Applied Technologies (ISAT) for its transfer articulation agreement with Southwestern Illinois College, Belleville, IL. The agreement was signed by SIU administration and Southwestern Illinois College leaders. According to the agreement, all graduates of Southwestern Illinois College with an Associates of Applied Science (A.A.S.) and meeting SIU Carbondale admission requirements will be considered for admission into SIU Carbondale’s Bachelor of Science (B.S.) in Technical Resource Management (TRM) in the College of Applied Sciences and Arts based upon the Department’s enrollment criteria and space availability. Congratulations to Dr. **Sam Chung** and all ISAT faculty/staff!

- Please join me in congratulating the School of Architecture (SOA) for its articulation agreement with Southwestern Illinois College (SWIC), Belleville, IL. The agreement has been signed by SIU administration and Southwestern Illinois College leaders. According to the agreement, all graduates of Southwestern Illinois College with an Associate of Applied Science (A.A.S.) degree in Fire Science - Fire Protection Administration or A.A.S degree in Paramedicine and meeting SIU Carbondale admission requirements will be considered for admission into SIU Carbondale's Bachelor of Science (B.S.) degree in Public Safety Management (PSM) in the College of Applied Sciences and Arts based upon the Department's enrollment criteria and space availability. Congratulations to **John Dobbins, Gary Kistner** and all SOA faculty/staff!
- Please join me in congratulating the School of Architecture (SOA) for its articulation agreement with Lewis & Clark Community College, Godfrey, IL. The agreement has been signed by SIU administration and Lewis & Clark Community College leaders. According to the agreement, all graduates of Lewis & Clark Community College with an Associate of Applied Science (A.A.S.) degree in Fire Science or A.A.S. degree in Paramedicine and meeting SIU Carbondale admission requirements will be considered for admission into SIU Carbondale's Bachelor of Science (B.S.) degree in Public Safety Management (PSM) in the College of Applied Sciences and Arts based upon the Department's enrollment criteria and space availability. Congratulations to **John Dobbins, Gary Kistner** and all SOA faculty/staff!
- Please join me in congratulating the School of Architecture (SOA) for its articulation agreement with College of Lake County, Grayslake, IL. The agreement has been signed by SIU administration and College of Lake County leaders. According to the agreement, all graduates of College of Lake County with an Associate of Applied Science (A.A.S.) degree in Firefighter Basic Operations, or A.A.S. degree in Fire Science Technology, or A.A.S. in Emergency Medical Technology and meeting SIU Carbondale admission requirements will be considered for admission into SIU Carbondale's Bachelor of Science (B.S.) degree in Public Safety Management (PSM) in the College of Applied Sciences and Arts based upon the Department's enrollment criteria and space availability. Congratulations to **John Dobbins, Gary Kistner** and all SOA faculty/staff!

## GRANT OPPORTUNITIES

1. **Improving Undergraduate STEM Education:** Education and Human Resources, NSF 17-590, Full Proposal Deadline: December 12, 2017. The fields of science, technology, engineering, and mathematics (STEM) hold much promise as sectors of the economy where we can expect to see continuous vigorous growth in the coming decades. STEM job creation is expected to outpace non-STEM job creation significantly, according to the Commerce Department, reflecting the importance of STEM knowledge to the US economy. The IUSE: EHR program recognizes and respects the variety of discipline-specific challenges and opportunities facing STEM faculty as they strive to incorporate results from educational research into classroom practice and work with education research colleagues and social science scholars to advance our understanding of effective teaching and learning. Toward these ends the program features two tracks: (1) Engaged Student Learning and (2) Institutional and Community Transformation. Two tiers of projects exist within each track: (i) Exploration and Design and (ii) Development and Implementation. More information is available at: <https://www.nsf.gov/pubs/2017/nsf17590/nsf17590.htm>.

2. **Innovations in Graduate Education (IGE) Program**, NSF 17-585, Full Proposal Deadline: October 25, 2017, or September 27, 2018. The Innovations in Graduate Education (IGE) program is designed to encourage the development and implementation of bold, new, and potentially transformative approaches to STEM graduate education training. The program seeks proposals that explore ways for graduate students in research-based master's and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. More information is available at: <https://www.nsf.gov/pubs/2017/nsf17585/nsf17585.htm>.

## **AD STAFF MEETING**

The Administrative (AD) Staff will meet on Wednesday, September 6, 2017, 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 Update
2. Program Capacity Indicators Report
3. College Peers and Aspirational Peers
4. Webpage Management Centralization
5. Roundtable Update 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, 9/5/2017. All faculty and staff are invited to the open forum section of the Administrative Staff meeting from 9:00am - 9:30am.

## **SYMPOSIUM CALL FOR PAPERS**

The CASA Multidisciplinary Research Symposium will be held on Saturday, November 4, 2017 at SIU's Transportation Education Center (TEC). The theme of the conference this year is **New Horizons in the Applied Sciences and Arts: Rethinking and Remaking Our World for the 21st Century**. We are seeking proposals for **oral presentations, panel discussions, posters** (students and faculty) and **workshops** that will provide opportunities for students, researchers, and practitioners to discuss the influence and impact of the applied sciences and arts on the future of our planet and our civilization. As we all know, CASA consists of a diverse range of programs that all center on the tangible application of knowledge and technology in the world. As such, we are open to any thoughtful interpretations or reinterpretations of the conference theme as it applies to these fields including Allied Health, Architecture, Transportation, and Information Systems and Applied Technologies.

All initial proposals are to be submitted as a 300-400 word abstract by **Friday, September 15**. Authors of accepted oral presentation abstracts will then have the option of submitting a full paper for an additional double-blind peer review. Top papers will be published in *The Journal of Applied Sciences and Arts* while the rest of the accepted papers will be published online in the Symposium Proceedings. As we have in the past, we are also hosting a **student poster competition** to provide a forum for students actively engaged in research or significant course projects to present their work to a jury of esteemed educators and professionals. Top posters will be awarded monetary prizes. More information on the Symposium can be found on our recently updated website: <http://research.asa.siu.edu/symposium/index.php>.

## **BASIC NEEDS LANGUAGE IN SYLLABUS**

One professor at Temple University wrote this into her syllabus, which triggered a lot of follow-ups: “*Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable her to provide any resources that she may possess.*” More information is available at: <https://medium.com/@saragoldrickrab/basic-needs-security-and-the-syllabus-d24cc7afe8c9>, or <http://www.marketwatch.com/story/why-college-professors-are-offering-to-help-students-get-food-and-shelter-2017-08-30>.

## TEACHER CHARACTERISTICS

The recent August-September issue of *The Teaching Professor* newsletter includes highlights from a couple of recent studies that get us back to teaching and those qualities that students consistently say can make a difference in how they learn. It identifies some basic attributes for teachers that could be useful, especially for some of our newer faculty and their mentoring needs.

- **Assertive** – the teacher has a strong personality, is independent, competitive, and forceful;
- **Responsive** – the teacher has compassion, is helpful, sincere, friendly, and sensitive to student needs;
- **Clear** – the teacher presents content in ways that students can understand, answers questions, has clear course objectives;
- **Relevant** – the teacher uses examples, explanations, and exercises that make the course content relevant to students’ careers and personal goals;
- **Competent** – the teacher is a content expert, intelligent, and knows how to teach;
- **Trustworthy** – the teacher is honest, genuine, and abides by ethical standards;
- **Caring** – the teacher cares about students, understands them, and has their best interests at heart;
- **Immediate** – the teacher’s nonverbal behaviors are expressive; the teacher smiles, nods, uses gestures, makes eye contact, and doesn’t speak in a monotone;
- **Humorous** – the teacher uses humor frequently;
- **Discloses** – the teacher reveals an appropriate amount of personal information when it’s relevant to the topic.

The full article is available at: <https://www.facultyfocus.com/articles/teaching-professor-blog/teacher-characteristics-that-make-a-difference/>.

## 10 LEAST VALUABLE COLLEGE MAJORS?

It is certainly controversial but MSN published last week ten “least valuable” majors with high unemployment rate and low median income. More information is here: <http://www.msn.com/en-us/money/careersandeducation/the-10-least-valuable-college-majors/ss-AAqzk2M?ocid=spartandhp#image=11>

## ON THIS WEEK’S CALENDAR

- Monday, September 4, 2017: Labor Day Holiday.
- Tuesday, September 5, 2017: 10:00am - 12:00pm, Deans' Council Meeting, Anthony Hall Balcony Conference Room.
- Wednesday, September 6, 2017: 9:00am - 11:30am, College Administrative Staff Meeting, Dean's Conference Room.
- Thursday, September 7, 2017: 9:30am - 11:00am, Republic Airline Partnership Signing Ceremony, Southern Illinois Airport.
- Friday, September 8, 2017: 10:00am - 11:00am, SIU Alumni Mentorship, Dean's Conference Room.

## **AND FINALLY ...**

If you see something in this update that you want to comment on, please send an email to [awang@siu.edu](mailto:awang@siu.edu); or call me at 618-536-6682. Also, if you know of anyone 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. If you prefer not to receive the CASA Dean's MMU, please let me know, as well. Thank you.

Andy Ju An Wang, Ph.D.  
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