

CASA Dean's MMU (Monday Morning Update)

Monday, October 12, 2015

Dear Colleagues,

America was founded on the ideal that from many, we are one, a whole is greater than the sum of its parts. To gain the maximum benefit from our increasingly diverse population, we must make every student (or faculty/staff member) feel welcome and motivated to learn (or work). I strongly believe that a diverse institution in an inclusive environment will improve individual and organizational performance and result in better teaching and learning outcomes. There has been a significant diversification of the student body in CASA and at SIUC. The number of students in our college who identify as one of the minority groups has increased for the last few years. The *Minority Computing Group*, sponsored by Dr. Sam Chung, has been meeting every Saturday morning. Professor Norman Lach and Professor Michael Brazley have been actively recruiting students from underrepresented racial and ethnic groups to study in the School of Architecture. The Automotive Technology Department has been working with several industry leaders to recruit more students with diverse backgrounds and to help provide internship and job placement in the automotive industry. The local chapter of *Women in Aviation International* has been actively working with community partners to educate and recruit more women who are striving for challenging and fulfilling careers in the aviation and aerospace industries. While the School of Allied Health (SAH) has more women students than any other schools or departments in our college, SAH has been working with admission and financial aid on-campus to recruit more students from ethnically, culturally, and racially diverse populations. The successful outcome of our efforts in diversity and inclusiveness is demonstrated in the table below.

[*Diverse Issues in Higher Education*](#) just released its rankings of institutions based on degrees awarded to minorities by program. The table below provides the total for FY 2013-14, followed by the counts for males, females, and total for SIUC. The final two columns show two percentages. The first percentage indicates how the number of the minority category degree recipients compares with all degree recipients at that institution within that discipline. The second percentage column indicates the percentage change in the minority groups' number of graduates at the institution from the previous year.

Rank	Race	Major	12-13 total	Men	Women	13-14 total	Pct grads	Pct change
1	African American	Engineering Tech & Engineering-related Fields	33	20	3	23	9%	-30%
1	Hispanic	Transportation and Materials Moving	11	9	1	10	9%	-9%
1	Native American	Engineering Tech & Engineering-related Fields	1	3	1	4	2%	300%
1	Total Minority	Education	229	127	87	214	37%	-7%
2	Asian	Engineering Tech &	16	9	0	9	3%	-44%

	American	Engineering-related Fields						
3	African American	Education	146	79	53	132	23%	-10%
3	Total Minority	Transportation and Materials Moving	34	27	3	30	28%	-12%
4	Asian American	Transportation and Materials Moving	11	10	1	11	10%	0%
4	Total Minority	Health & Medical Admin Services	103	42	45	87	60%	-16%
8	African American	Health & Medical Admin Services	66	26	35	61	42%	-8%
8	2 or more races	Health & Medical Admin Services	4	2	2	4	3%	0%
9	2 or more races	Engineering Tech & Engineering-related Fields	2	6	0	6	2%	200%

Congratulations to all CASA faculty and staff for contributing greatly to SIUC to be ranked among the top 10 in the nation, and in many cases tied for 1st, in numbers of minority students graduated in various programs! We are proud to serve diverse populations and to provide access to many students from various backgrounds. For more information of this ranking, please visit <http://diverseeducation.com/top100/BachelorsDegreeProducers2015.php>.

OPEN HOUSE

On Friday, October 9, 2015, faculty and staff from the College attended an Open House sponsored by Undergraduate Admissions to represent all departments and programs in CASA. Those in attendance included Elaine Atwood, Josi Young, Walter Wendler, Jasmine Winters, Melinda LaGarce, Shelby Adkinson, Norm Lach, Sam Chung, Shannon Gwaltney, Robert Broomfield, Julie Davis, Scott Collins, Faith Miller, Kyle Chamness, Tracey Logeman, Todd Dugan, Rachel Lee, and student ambassador Madison Deagan. There were 33 students who had pre-registered for the Open House with an interest in a CASA major, out of the almost 200 students registered (second highest college representation). Each of our schools was represented by major interests, although Transportation and Allied Health made up a majority of the students we encountered. We had great interaction with many prospective students and families!



GRANT F&A GUIDELINES

The federal government classifies indirect costs of a grant project as “Facilities & Administrative (F&A) Costs.” F&A costs include such things as space and facilities maintenance, utilities, library resources, processing of project-related fiscal paperwork by University service offices (Accounting Services, Purchasing, etc.), monitoring of project expenditures and compliance with government regulations, and numerous other research support services at the University.

If your grant project allows F&A charges, the campus IT Office will take 5% and the Library will take 3.5%. The remaining 91.5% of F&A will be divided into three parts going to OVCR (40%), the Chancellor’s office (30%), and the College (30%). The CASA Administrative Staff, at its meeting on October 7, 2015, decided that 50% of the College portion will be returned to the department/school. It will be up to the Chair/Director to decide to return an appropriate amount of the F&A to the Principal Investigator of the grant project. This guideline starts from FY2015 and onward.

CONGRATULATIONS

- The **Flying Salukis** team took first place in the 2015 Region VIII SAFECON (Safety and Flight Evaluation Conference) competition from October 6 - 10 at the Lewis University Airport (KLOT). The event was sponsored by the National Intercollegiate Flying Association (NIFA). Our team was most impressive winning as the flight events team champions, the ground events team champions, and taking first overall in the region. In addition, team member George Nimmer took the Top Male Pilot Award and the Top Overall Pilot Award. Congratulations!

- Dr. **Nancy Martin**, Associate Professor in Information Systems Technologies (IST), has been invited to consult with Eastern Michigan University's College of Business Dean and faculty about how to successfully design and implement a beginning statistics course in an online environment. Dr. Martin will travel to the campus on October 16th to discuss best practices, challenges, and opportunities related to offering quantitative courses such as statistics online. Dr. Martin developed the online beginning statistics course for the SIUC College of Business in 2012. Congratulations!
- Dr. **Sam Chung**, Professor and Director of School of Information Systems and Applied Technologies (ISAT), has co-authored a paper titled "*Monitoring Insider Attack in Database Systems Using Multiple-Criteria Query Statement Probabilities*" to be published in the Journal of Information Technology and Architecture in 2015. This peer-reviewed journal has been publishing leading-edge papers on the topics of enterprise architecture, IT governance, project management, IT investment process and control, and other information technology issues. Congratulations!
- The Aviation Technologies Department organized a successful Girls in Aviation Day (GIAD) event, which was loosely coordinated with Women in Aviation International. Sixteen (16) students came to the Transportation Education Center (TEC) from Carbondale Middle School and Giant City School. They participated in activities including riveting sheet metal, making bottle rockets, flying flight simulators, and more. This event was organized by SIU Women in Aviation's president **Amelia Phillips**, Aviation Technologies (AVT) faculty members Dr. **Charles Rodriguez** and **Don Morris**, AVT Field Representative **Rachel Lee**, and AVT Chair **Mike Burgener**. Congratulations!



- The Health Care Management (HCM) External Advisory Board (EAB) has a new member, Susan Fowler. Ms. Fowler is the Leadership and Org Development Patient Centered Care & IE Officer at the VA Medical Center in Marion, Illinois. She has served as a Preceptor/Internship Supervisor for many of our HCM students over the years and is extremely supportive of the HCM program. Her input on the Board will be extremely valuable. Welcome and congratulations!



- Dr. **Sam Chung**, Professor and Director of School of Information Systems and Applied Technologies (ISAT), attended the IT Chairs meeting at DePaul University in Chicago, IL on Thursday, October 1, 2015. This meeting was sponsored by ACM SIGITE, an ACM Special Interest Group for Information Technology Education. This year's meeting topics included the change of ABET accreditation and IT Curricula 2017 progress. Congratulations!
- The Transportation Education Center (TEC) last week was extremely busy. The **Department of Automotive Technology** hosted the 80th ICAIA Conference sponsored by the Illinois College Automotive Instructors Association. There was a full range of presenters and vendors to share the latest in technology and teaching methods with attendees. The 2-day conference included 5 different presentation sessions that featured 35 peer-reviewed paper presentations. Around 300 people, coming from all over the nation, attended this conference, enjoying the wonderful time in picturesque Southern Illinois. The conference banquet was held at the beautiful Giant City State Park Lodge where 4 scholarships were presented to SIU Automotive students desiring to enter the technology teaching profession. This conference raised the visibility of our top-quality program and impressive TEC facility including an 186,000 sq. ft. education building and a separate 31,000 sq. ft. storage facility for the Automotive training fleet and rooms for Automotive student special project teams. Through this ICAIA conference, the SIU Automotive Technology Department also advanced the field of community service, service-learning, and civic engagement. It involves a lot of hard work to plan and manage a big conference like this. Please join me in congratulating **Mike Behrmann** and the entire **Department of Automotive Technology** for a great job done. Congratulations!



- The **Department of Aviation Technologies** had a successful AVT Industrial Advisory Board meeting last Friday and Saturday. The highlight of the meeting was a tour of the recently received

Gulfstream III C20A jet aircraft from the U.S. Navy. The board members were excited about this new addition to the instructional resources in our AVT program, benefiting our students with hands-on experiences for different types of aircraft maintenance. Following the welcome and introductions, Advisory Board members participated in an interactive session with AVT students, offering career advice and insider's perspectives of the Aviation Technology industry. During the business session on Saturday, the board members offered many suggestions on curriculum improvement based on industry needs and technology trends. AVT Industrial Advisory Board members for this year's meeting included Jim Fisher, Rockwell Collins; David Gallagher, General Electric; Patrick Mapes, Duncan Aviation; Glenn Saccone and Dan, GoGo; Bruce Brown, General Electric; Maurice Woodruff, Boeing; Tom Harper, Avidyne; Joe Shuster, Jet Aviation; and Terry Washow, Western Global Airlines. Congratulations!

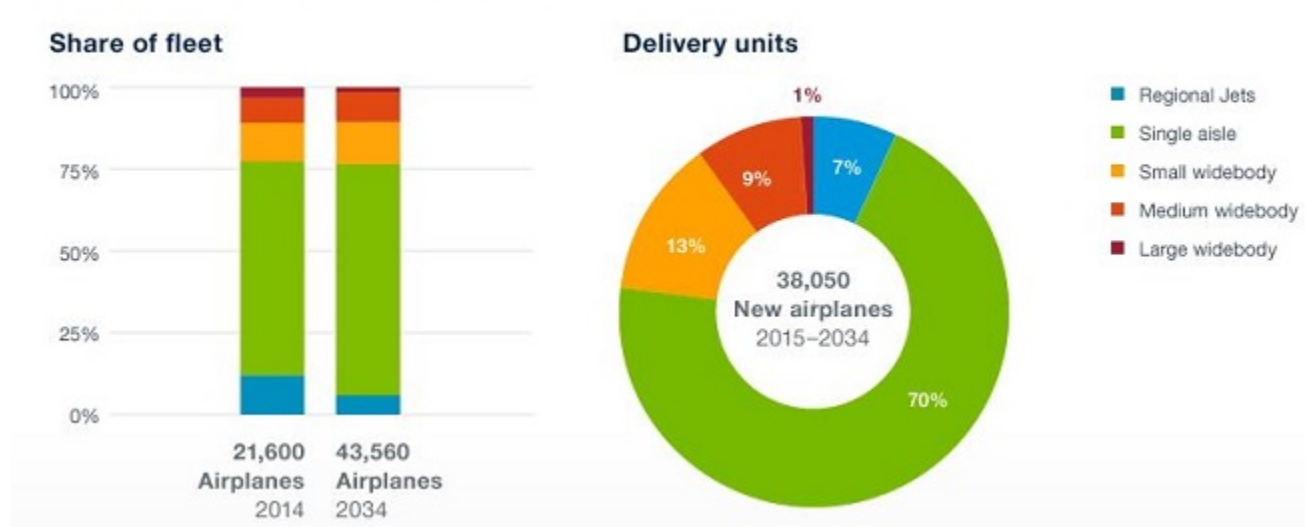
- A [recent report](#) showing that 2.8 million of the 2.9 million good jobs (\$53,000+ salary with benefits) created nationally during the recovery went to those with college degrees reinforces how important our work is as faculty and staff working in higher education. Congratulations to **everyone!**

AVIATION NEWS

According to a recent Boeing report, there is a strong demand for commercial airline pilots and maintenance technicians as the world's airlines add 38,000 airplanes to the global fleet over the next 20 years. Boeing projects that between 2015 and 2034, the world will require 558,000 new commercial airline pilots and 609,000 new commercial airline maintenance technicians. It shows that demand will continue to be strong for our graduates of Aviation Flight (AF) and Aviation Technologies (AVT). Maintaining strong aviation programs positions the university well to be able to meet this demand in the coming years. More information is available at:

<http://www.prnewswire.com/news-releases/boeing-forecasts-rising-demand-for-commercial-airline-pilots-technicians-300114993.html>.

World market value: \$5.6 trillion



ISAT NEWS

- During SIU Family Week 2015, SIU Foundation invited several CASA supporters to the SIU football game on Saturday September 26, 2015. Among them, Mr. **Dan Manning**, who is Information Management Specialist at CDM Smith and serves on the IST Advisory Committee, attended the football game with Dean Wang and Director Chung. Mr. Manning expressed his

thanks for sharing CASA and ISAT activities through our newsletters and discussed how his company's research projects can be collaborated with IST faculty.



Dr. Andy Wang (CASA Dean), Dr. Sam Chung (ISAT Director), & Mr. **Dan A. Manning Jr.** (IST Advisory Board Member, Information Management Specialist at CDM Smith)

- Dr. Chung, ISAT Director, visited UCLC in Grayslake, IL and Naval Station Great Lakes in Waukegan, IL on Wednesday September 30, 2015. The visit was planned to bring better understanding of the EST Off-campus program – and how they and the SIU Carbondale EST Program can work together to improve EST off-campus operations and discover new opportunities. Dr. Chung met Ms. **Cathy Resman**, Chicago Regional Coordinator, and Naval Station Great Lakes staff (**Mary Griffin** and **Toni Sampson**), and Mr. Philip Charles Meyer, EST 451-901 Instructor, and his students.



GRANT OPPORTUNITY

NSF 15-610: Partnerships for Innovation: Building Innovation Capacity (PFI: BIC) supports academe-industry partnerships, which are led by an interdisciplinary academic research team collaborating with at least one industry partner in order to carry out research to advance, adapt, and integrate technology into a specified, human-centered smart service system. Funding: \$10 million; Deadline: 1/27/2016. More information is available at: <http://www.nsf.gov/pubs/2015/nsf15610/nsf15610.htm>.

TEACHING TIPS

- **Constructive Criticism:** Both positive and negative comments can stimulate learning, but positive comments seem to be most effective. At least, don't give only negative feedback. Praise what the student has done right. It builds self-confidence. Recognize sincere effort even if the product is not the greatest.
- **What to Expect:** Check expectations of students early in the course to avoid problems later. What do they hope to gain from the course? Use a questionnaire, a short discussion, or both. Follow up by clarifying matters of prerequisites, objectives, assignments and presentation style.

Source: <http://www.unl.edu/gradstudies/current/teaching/tips>.

ILLINOIS BUDGET IMPASSE

- On October 6, the Illinois Board of Higher Education passed a [resolution](#) calling on our state leaders to pass a budget immediately. The 125,000 Illinois college students that are eligible for the Monetary Award Program (MAP) have not received state MAP funding. Many institutions will not be able to front their costs for the next semester as they did this semester.
- On October 3, the IBHE-Student Advisory Committee passed a resolution requesting that the Governor and the Legislature commit to funding MAP grants.
- On October 1, nine (9) Illinois public university presidents sent a [letter to the Governor](#) and the Legislature urging them to end the fiscal 2016 budget standoff.

ON THIS WEEK'S CALENDAR

- Monday, October 12, 2015: Student Fall Break October 12-13.
- Tuesday, October 13, 2015: 11:00am, Deans Council meeting with Interim Chancellor Colwell, AH BCR.
- Wednesday, October 14, 2015: 10:00am - 11:30am, Budgeting, Planning, and Support Staff Meeting, Dean's Conference Room.
- Thursday, October 15, 2015: 12:00pm - 1:00pm, Export Control Seminar, Dunn Richmond Center.
- Friday, October 16, 2015: 5:00pm - 7:00pm, Leaders and Scholars Reception and Panel Discussion, SC Ballrooms.

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 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.

Andy Ju An Wang, Ph.D.
Dean, College of Applied Sciences and Arts