

CASA Dean's MMU (Monday Morning Update)

Monday, March 21, 2016

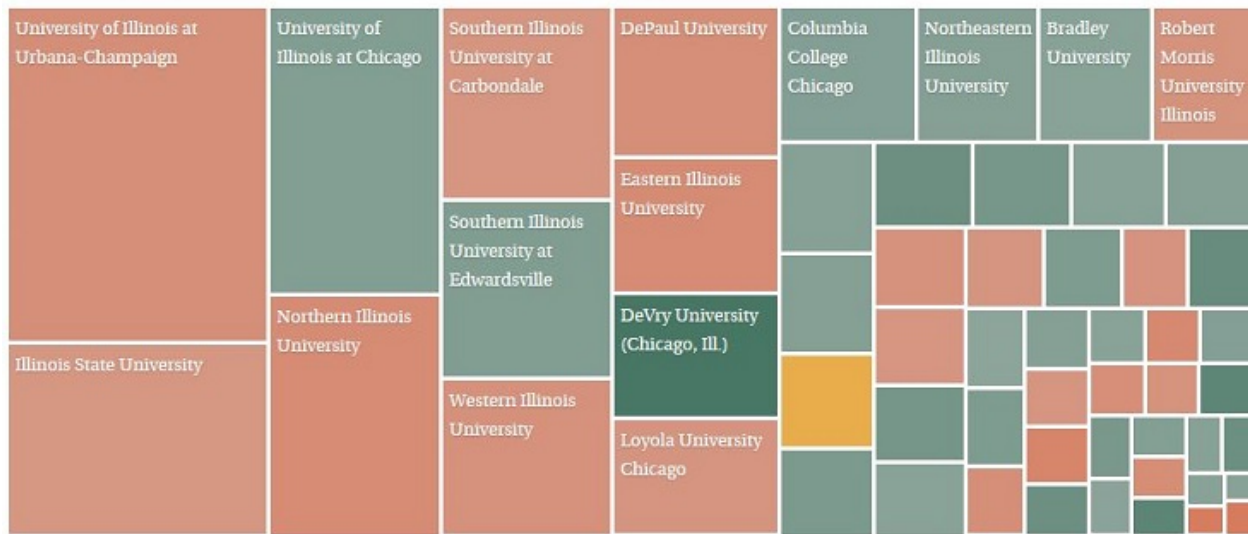
Dear Colleagues,

Hope you have had a great spring break! Recognizing the importance of using data to target and strengthen recruitment and enrollment efforts at SIU, the chart below sheds light on the importance in-state recruitment is playing in drawing new students to our campus.

Here is the landscape of higher education in Illinois. In the picture below, larger rectangles represent more new in-state students. Colors show how in-state enrollment changed from 2006 to 2010: For instance, SIUC -2%; SIUE +15.8%; UIUC -11.5%; UIC +14.1%, etc. These figures come from the annual fall-enrollment survey conducted by the U.S. Department of Education's Integrated Postsecondary Education Data System (IpedS). The data presented covers only domestic enrollments originating from the 50 states and the District of Columbia. Students who applied from foreign countries and U.S. territories are not included. You can find more interactive data here:

http://chronicle.com/interactives/freshmen_insts/#id=147767.

Colors show how in-state enrollment changed from 2006 to 2010:

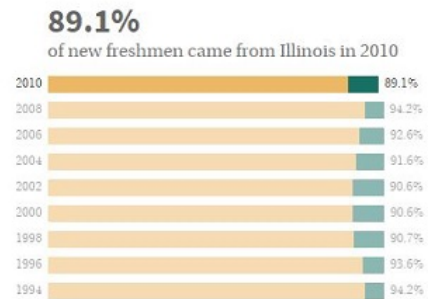
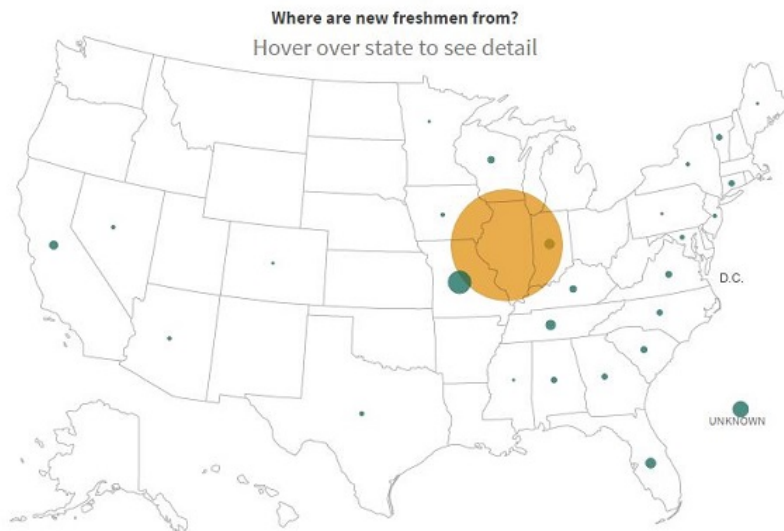


By Josh Keller and Alex Richards / Feedback? Let us know.

Every two years, a U.S. Education Department survey of colleges and universities collects information about the migration of new full-time students, based on their states of residence when they apply. In 2010, 89.1% of our freshmen were in-state students. Below is a list of the top five states supplying students to SIUC.

State	# of freshmen to SIUC	% of freshmen
Illinois	2060	89.1%

Missouri	85	3.67%
Florida	16	0.70%
Indiana	15	0.65%
Tennessee	14	0.60%
California	11	0.48%
Kentucky	7	0.3%



20%
The chance that any two U.S. freshmen at this college came from different states in 2010.

Southern Illinois University at Carbondale was the 5th most popular in-state university for Illinois freshmen in 2010

Browse another state... ▼

The Chronicle of Higher Education interactive map is available at:
http://chronicle.com/interactives/freshmen_insts/#id=149222.

COOPERATIVE STRENGTH

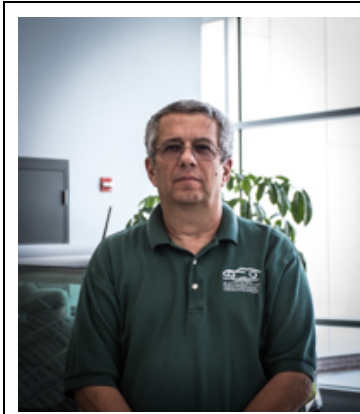
Researchers at Stanford University have created a tiny robot that can haul things 2000 times its weight. Imagine what a team of these robots could do! Click on the embedded video below:

http://www.nytimes.com/2016/03/14/technology/modeled-after-ants-teams-of-tiny-robots-can-move-2-ton-car.html?_r=0

Six robots inspired by ants have demonstrated their ability to move a car thousands of times their collective weight. In total, the six robots weigh 3.5 ounces, or 99 grams, and they worked in concert to pull a car that weighs 3,900 pounds, or 1,769 kilograms. "By considering the dynamics of the team, not just the individual, we are able to build a team of our 'microTug' robots that, like ants, are super-strong individually, but then also work together as a team," said David Christensen, an author of a paper on the findings to be presented at the International Conference on Robotics and Automation in Stockholm in May.

CONGRATULATIONS

- Mr. **Tim Janello**, Associate Professor of Automotive Technology, has been selected to receive this 2016 Faculty Mentor of Excellence Award from the Center for Undergraduate Research and Creative Activities (CURCA).



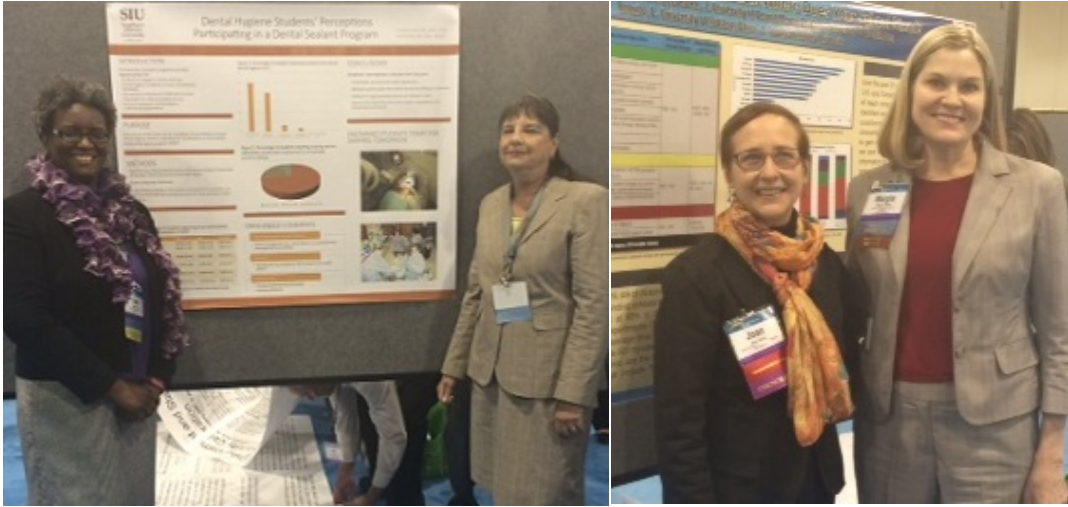
Mr. Janello consistently mentors several undergraduate students in various research projects. Several University student REACH Award recipients had Mr. Janello as their mentor. Each semester, Mr. Janello includes several additional independent study students into his own research projects. His mentorship is including students into cutting edge technology and procedural development. Through his mentorship, graduates have taken research positions with several major automotive companies such as General Motors, Ford Motor Company, Fiat Chrysler Automobiles, Cummins Engines, and Navistar.

CURCA is in charge of organizing the Undergraduate Creative Activities and Research Forum (UCARF) and the Graduate Creative Activities and Research Forum (GCARF), to be held on April 4th and 5th, respectively. Mr. Janello will be recognized during the UCARF event. Congratulations!

- **Kristin Boelter**, a junior Interior Design (ID) student, has received the 2016 Dorothy Morris Traditional Student Scholarship from the SIU Women's Club. One scholarship is awarded to an undergraduate female student each year. Eligible applicants must be classified as a junior and have at least a 3.0 cumulative GPA. Preference is given to those who have completed a minimum of 86 credit hours by the end of the spring semester. A minimum of 24 credit hours must have been earned at SIU. Selection is based on academic achievement, career goals and aspirations, leadership experience, references, and financial need. Students must be currently enrolled in an undergraduate degree program and must complete at least one semester during the following academic year to receive the award. Congratulations!
- Please join me in congratulating School of Allied Health on its academic excellence: The Master's Programs Guide (<http://www.mastersprogramsguide.com>), an online guide for master's programs, has published a ranking of the 50 Best Online Master's in Healthcare Administration Programs for 2016: <http://www.mastersprogramsguide.com/rankings/top-online-masters-in-healthcare-administration/>. Our new Master's in Healthcare Administration program was ranked as one of the 50 best online Master's program in the nation. To view the original version on PR Newswire, visit: <http://www.prnewswire.com/news-releases/masters-programs-guide-releases-50-best-online-masters-in-healthcare-administration-programs-2016-ranking-300231635.html>. Congratulations!
- The Princeton Review ranked SIU 46th among the top 50 undergraduate schools for game design for 2016. SIU Carbondale offers courses in game design and development through the multidisciplinary efforts of the College of Mass Communication and Media Arts and the School

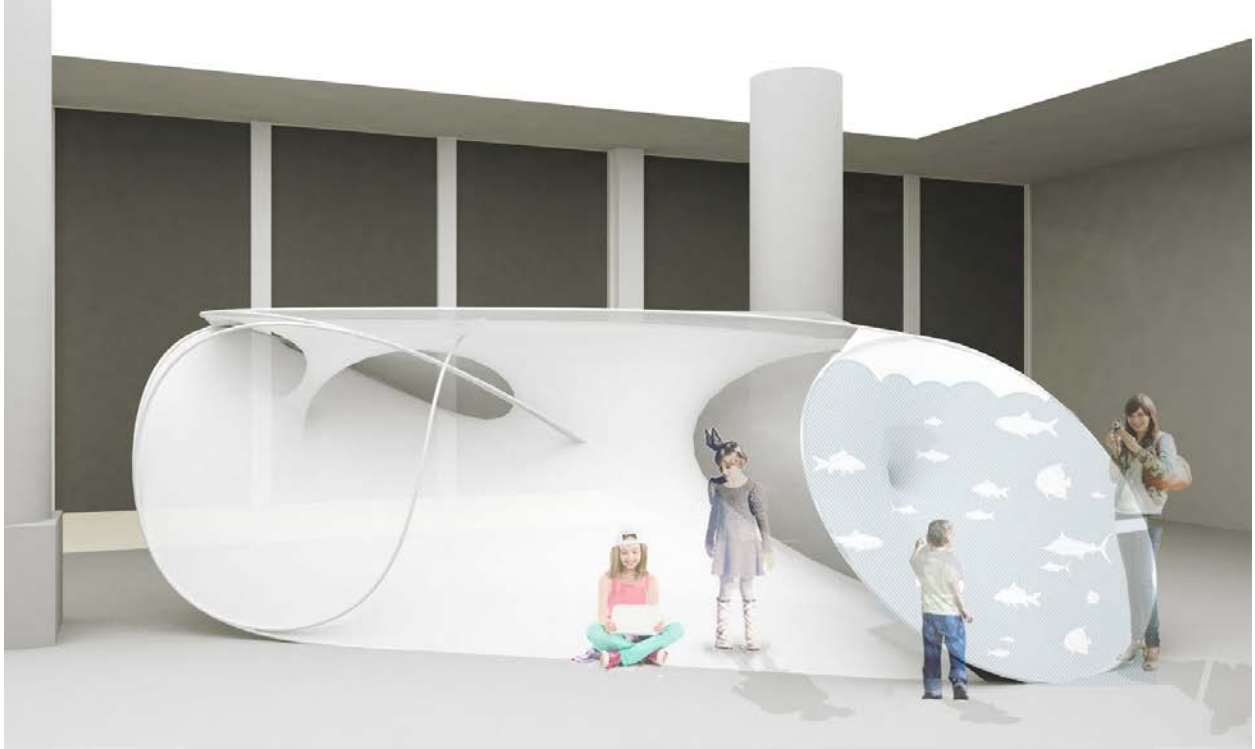
of Information Systems and Applied Technologies in the College of Applied Sciences and Arts. Congratulations!

- Dental Hygiene (DH) faculty attended and made presentations at the American Dental Education Association (ADEA) Annual Session & Exhibition in Denver, CO. March 12-15, 2016. Dr. **Charla Lautar**, Professor of Dental Hygiene, and **Faith Miller**, Associate Professor and Program Director of Dental Hygiene, presented a poster titled "Dental Hygiene Students' Perceptions Participating in a Dental Sealant Program." Congratulations!



Dr. **Joan Davis**, Professor of Dental Hygiene, with co-presenter Margie Arnett, from Loma Linda, CA., presented a poster titled "Progress in Tobacco Dependence Education: Where Does Your School Stand?" Dr. Davis had another presentation entitled "How Marijuana Legislation is Shaping Tomorrow." Congratulations!

- **Peter B. Smith**, Associate Professor of Architecture, organized another successful fine arts lecture on Friday, March 4th, 2016. Could arts and technologies provide social engagement and learning tools for children with Autism Spectrum Disorder (ASD)? During this lecture, Assistant Professor Sean Ahlquist from University of Michigan told the audience "Yes" during his presentation in the SIU School of Architecture. He has been working in the area of autism and creating interactive materials and formed that aid in the teaching of autistic children. His daughter is autistic so that spurred on some of his research on Autism Spectrum Disorder (ASD). His research and creative work (as shown in the pictures below) was installed in Quigley Gallery 119. Thanks to Peter Smith for organizing this lecture as part of our Fine Arts Lecture Series this semester. Congratulations!



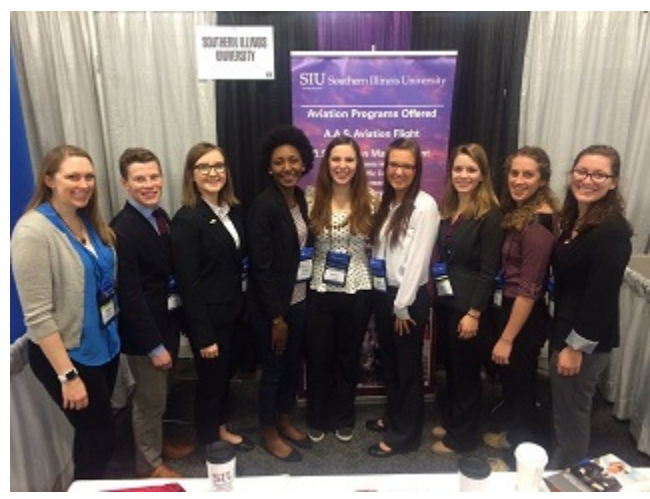
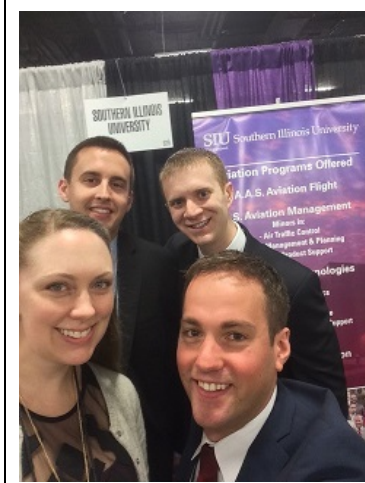


This interdisciplinary research brings together faculty from Architecture, Computer Science, Music, Interior Design, and Occupational Therapy. The research spans the topics of computation: in the development of a Java-based framework for modeling material behavior and performance, and in generating multi-layer membrane systems & textile hybrid structures. As you can see from the pictures above, the graphics on the surface indicate areas where the textile will be “interactive.” The graphics themselves are just stand ins. Professor Ahlquist is working on a tactile and musical interface - as a sort of seascape with an eye towards being appealing to children. For a preview of his work, please visit and view a video at [RTM 2015: Social Sensory Surfaces Preview](#). Congratulations!

WOMEN IN AVIATION CONFERENCE

Nine members of the SIU student group *Women In Aviation* (WIA), from all three aviation programs - AVT (3), AVM (2) and AF (4), accompanied Rachel Lee, Field Representative of Aviation Technologies, to the 27th Annual International Women in Aviation Conference in Nashville, TN March 10-12, 2016. It was a beneficial experience for these students, and a good opportunity for SIU as well.

Five students, Amelia Phillips, Danielle Dobczyk, Veronica Nkunde, Connor Blevins, and Rojean Heimstreet volunteered with Air Line Pilots Association (ALPA). They were treated to breakfast and were given time to network with the employees and received good career advice. This mentorship opportunity was provided thanks to SIU CASA Aviation alumnus, Doug Gibbs. Congratulations!



All the students attended a variety of the offered educational sessions, including topics such as Women In Naval Aviation Panel, Therapy Dogs at Airports, Airline Pilot Panel, Women in Corporate Aviation Panel, WASP of World War II, and much more. Many students spoke personally with two WASPs (Women Air Service Pilots--the first women military pilots, from WWII). They all had the pleasure of hearing Navy pilot and engineer, Southwest Airlines captain, Astronaut, and most recently Reno Air Race winner Hoot Gibson speak. His talk was inspirational - he has done it all, and was encouraged from a young age by his mother, who was a pilot. Students saw many SIU alumni and - 27 students signed in, and provided contact information for students to potentially use in the future for setting up externships, internships, scholarships, and other opportunities. Rachel Lee spoke with several parents and students who were

interested in finding an aviation program. Many company representatives stopped by our SIU Aviation booth at the exhibit hall, looking to hire our graduates. A couple of our students now have tentative job offers when they graduate, and many more of our students now have a better idea of what they want to do for their career paths!

MASSAC COUNTY HIGH SCHOOL VISITORS TO TEC for SPECIAL EVENT

The SIU CASA programs participated in a special event with 80 Massac County High School students and teachers at the Transportation Education Center on Thursday, March 17th (12:15 – 1:15pm). The event was titled: **Designing a Career in a High Job Growth Industry**. Several speakers shared inspiring messages with high school visitors on fast growing career paths available in health care, architecture design, transportation, information systems and technologies, and more. Each student submitted an SIU Interest Card for further engagements with programs they are interested in. Thank you to Becky Robinson, CASA Recruitment and Communications Specialist; Tom Shaw, SAH; Craig Anz, ARCH, Matt Harrison, AV, Mike Behrmann, AUT, Belle Woodward, ISAT, and colleagues at the TEC who helped with set-up, lunch distribution, and coordination. Over 20 students left with an SIU gift donated by 7-10 Bookstore.



CASA was a part of the Southern Illinois Regional College Fair which was held in the SIU Student Center Arena on Thursday, March 17, 2016 (10:00 – 11:30am). Thank you to CASA representatives Becky Robinson and Kevin Taylor who visited with over 400 student participants who met with representatives from 23 Universities and Colleges across the region.





SIU OPEN HOUSE – Friday, March 25, 20-16 in SIU Student Center

The next SIU Open House will be held on Friday, March 25, 2016, in the SIU Student Center International Lounge, with set up from 8:30am - 9:30am. The Academic College and Activities Fair runs from 9:30am - 11:00am. Campus and Housing tours will be offered at various times throughout the day starting at 8:00am for Campus Tours and 12:00pm for Housing Tours. The Program Showcase starts 12:00 noon, 1:00pm, or 1:30pm. Thank you for participating in this important event.

FREE SIU APPLICATION DAY at John A. Logan on Wednesday, March 23rd (10:00 – 2:00pm)

The SIU Service Center is hosting a special event on Wednesday, March 23rd at John A. Logan College to increase SIU applications by waiving the \$40 application fee for students who apply at the event. Becky Robinson, Recruitment and Communication Specialist and Elaine Atwood, Chief Academic Advisor will represent CASA at this event and others are welcome to also participate. Contact Anita Gentry at the SIU Service Center at JAL at (618) 457-7676 ext. 8295 or anitagentry@siu.edu for more information.

SIU EXTERNSHIPS COMPLETED by 28 CASA STUDENTS OVER SPRING BREAK

Congratulations to 28 CASA students who completed the SIU Externship experience over Spring Break! Please join us in recognizing their accomplishments at the March 29th Recognition Ceremony which will be held in the SIU Student Center Ball Rooms. More photos and stories will be shared by students at the Recognition Ceremony and in a special document they are producing. Congratulations to all!

Below is a few pictures sent from our students taking externships last week. I will add more pictures in the next MMU. Showing to the left of the picture below, SIU Externship sponsor AAR, Corp. and our alum Greg Dellinger is with our Aviation Management senior-year student Paul Egbo, an Aviation Management student with a 4.0 GPA. The right picture below is a photo of our SIU CASA students in Aviation Technologies, Thomas Swehla and Daniel Johnston, with their Externship Sponsor Bruce Brown at the GE Aviation Engines facility in Evandale, Ohio.



ON THIS WEEK'S CALENDAR

- Monday, March 21, 2016: 4:00pm - 5:00pm, Morocco Fulbright Program Presentation, Guyon Auditorium.
- Tuesday, March 22, 2016: 11:00am-12:30pm, Deans' Council Meeting, Anthony Hall Balcony Conference Room;
- Wednesday, March 23, 2016: 10:00am - 11:00am, Special meeting for program specific summer planning, Dean's Conference Room.
- Thursday, March 24, 2016: 9:00am - 10:30am, Student Success Collaborative Campus Platform Kick-off Meeting, John Guyon Auditorium; 11:00am - 1:00pm, Admission, Ambassadors, and Recruitment Event, TEC; 3:00pm - 4:00pm, Honors Day Committee Meeting, Dean's Conference Room.
- Friday, March 25, 2016: 9:00am – 1:30pm SIU Open House and CASA Showcase events; 1:00pm - 5:00pm, Dean Council Special Meeting, off campus.

AND FINALLY ...

If you see something in this update that you want to comment on, please send an email to my SIU email 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.
Dean, College of Applied Sciences and Arts