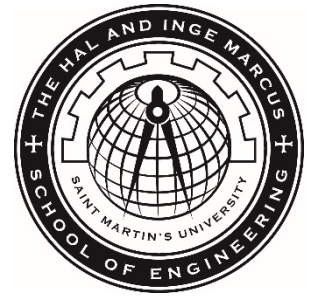




Saint Martin's  
UNIVERSITY



# CORNERSTONE

The Hal and Inge Marcus School of Engineering

Summer 2022-May



**ROLLING INTO SUMMER** Here we are well into our Summer Session 2023. Though the halls are not teeming with students and faculty, there are enough here to ensure yours truly doesn't feel too alone! We enjoyed a great 2022-2023 academic year and although we said farewell to a number of our beloved students, we are eager to welcome the new first year students to campus, as well as our returning friends! Summer is when we catch up on projects and prepare for the coming academic year, all while happily serving our summer-enrolled students.

Remember – no matter how YOU roll – it's time to get outside and enjoy all that the Pacific Northwest (or wherever you call home) has to offer. Recharge yourself and have a great summer!

**END-OF-THE-YEAR EVENTS PHOTOS** If you're looking for the SMU-photographed end-of-the-year events' photos, check out these links:

COMMENCEMENT, May 6

[COMMENCEMENT](#)

HIMSE AWARDS-INDUCTION, May 5

[HIMSE EVENT](#)

WAV2T GRADUATION, May 5

[WAV2T](#)

**WAV2T GRADUATION** On May 5th, the students of our WaV2T certificate program for Spring 2023 cohorts graduated. Students, guests, faculty, and staff were treated to a keynote speech from **Mr. David Puente, Jr.** Mr. Puente is the Director of the Washington State Department of Veteran Affairs. A total of 39 students graduated from the program and took part in The Pledge of the Computing Professional as well. Our graduates are:

- **Server and Cloud Application (SCA):** Juan Acevedo, Paul Adams, Hyeon Gin Bae, Amy Bloom, Tom Brawders, Franky BunchBrookBaker, Reemo Burch, Java Duel, Richard Edge, Ryan Folkers, Brendon Hill, Brent Hucke, Jamesson Jacques, Erika Jimenez-Perez, Ethan Li, Joseph Luster, Korinthian Matanane, Tracy Norton, Julio Nunez, Nnamdi Aguagha, Jia Park, Oleksey Shanks, Gaige Smith, Jaiden Sonnier, Jovanna Tiet, David Walker, Cole Whittle, and Casey Wiseman. Mr. Jose Otero leads this cohort as its career development manager.
- **Cloud Application Development (CAD):** Ricky Anderson, Brandon Coen, Samuel Danquah, Kenderly Delinois, Andrew Essex, Sean Exanderton, Darryl Giron, Derrick Giron, Brandon Hamlyn, Keshawn Hurst, Mariano Hurtado, Kaylee Kenison, James King, Bounsang Kungxat, Grace Lawrence, Michael Le, John Ly, Alloysius Odogbo, Steve Qualls, Parker Smith, Justin Stafford, Ian Villoldo. Mr. Rich Montgomery is the career development manager for this cohort.
- **Cybersecurity Administration (CYB):** Danny Bradford, Richard Loftin, Alex Mariano, Dontae Smith. Ms. Nuvia Rodriguez leads this cohort as its career development manager.

Congratulations to all of our WAV2T Spring 2023 graduates! We wish them all the best with their technology career paths or continued academic endeavors!



**Server and Cloud Application Cohort Graduates**





**Cloud Application Development Cohort Graduates**



**Cybersecurity Administration Cohort Graduates**

**SPRING CAPSTONE PROJECTS REVIEW** We had some very interesting projects this year! In addition to their usual hard work and project design innovations, the 12 HIMSE senior design teams pre-recorded virtual presentations of their respective projects. These videos were posted to YouTube, along with additional project materials for evaluators' review. Some teams were able to video working prototypes! After thorough review, evaluators made their selections for the best projects in each discipline: Civil Engineering, Computer Science, and Mechanical Engineering. Our evaluation teams were comprised of Engineering Advisory Board members (former alumni and faculty, and outside partners). Many thanks to these dedicated evaluators for lending their patience, cooperation, and expertise during this process! We are pleased to announce the winning projects:

**Civil Engineering: Thurston County Roundabout** - Client: Thurston County

Faculty Advisor: **Dr. Jill Walsh and Dr. Floraliza Bornasal**

Team Members: **Annika Briggs, Jarred Figlar-Barnes, Turki Alharbi, Elisabeth Himes, Madeline Wolff**

**Computer Science: WA Knights of Columbus Website** - Client: Washington State Council, Knights of Columbus

Faculty Advisor: **Dr. Harold Nelson**

Team Members: **Sunya Chay, Brandon Essary, William Flores**

**Mechanical Engineering: Ocean Wave Energy Converter** - Client: Saint Martin's University

Faculty Advisor: **Dr. Shawn Duan**

Team Members: **Francisca Anunobi, Patricia Brogan (McGarrah) and Quinton Spitler**

Congratulations to the winning teams! Each team member was awarded a certificate of excellence and have had their names inscribed on the perpetual plaques displayed on the 1st floor of Cebula Hall. Their project posters will be printed on heavy board and displayed on Cebula 2nd floor for two years. Many thanks to our faculty advisors for their expert instruction, our partners and clients for their mentorship, and ALL of our student teams for their hard work throughout the year on their capstone projects!

**COMBINED EVENT** On Friday, May 5, we held a combination Awards and Professional Societies Induction Ceremony. The event began with our 2023 HIMSE Annual Awards. HIMSE annually awards individual students for outstanding performance, selected by HIMSE faculty. We even added a new award for HIMSE Graduate Student of the Year! Each received a certificate of excellence, as well as a monetary award.

**CIVIL ENGINEERING STUDENT OF THE YEAR:** **Sydney Brown**

**COMPUTER SCIENCE STUDENT OF THE YEAR:** **Daniel Rivera**

**MECHANICAL ENGINEERING STUDENT OF THE YEAR:** **Francisca Anunobi**

**HIMSE INTERNATIONAL STUDENT OF THE YEAR:** **Qinfu Hu**

**HAL AND INGE MARCUS SERVICE & COMMUNITY AWARD:** **Andrew Horton**

**HIMSE GRADUATE STUDENT OF THE YEAR:** **Finnley Butler**



## THE ORDER OF THE ENGINEER:

Next, we held our 45th Order of the Engineer ceremony. Participating students took the group Oath of the Engineer and then received their certificates and rings. Those inducted into The Order this year were:

**Turki Alharbi, Francisca Anunobi,**

**Annika Briggs, Sydney Brown, Uriah Camacho, Jarred Figlar-Barnes, John Gonzalez, Christian Gordon, Christopher Hatakenaka-Gibbs, Elisabeth Himes, Andrew Horton, Qinfu Hu, Marcus Lenker, Nathan Martinez, Patricia Brogan (McGarrah), Kai Andre Ortega, Caden Rebollo, Quinton Spitler, Jake Stewart, David Stride, Patrick Walsh, Elijah Whitesell, and Madeline Wolff.**

Congratulations to you all!



## PLEDGE OF THE COMPUTING PROFESSIONAL:

Directly following the Order of the Engineer ceremony, we held our 18th Pledge of the Computing Professional ceremony. Participating students took the Pledge as a group and then individually came up to receive their certificates and official pins inscribed in binary code with the word "HONOR". The following students were inducted into The Pledge this year: **Spencer Bergman, Sunya Chay, Brandon Essary, Minh Nguyen, Daniel Rivera, and Connor Soran.** Congratulations to all!



**DEAN'S LIST FROM SPRING 2023** We're proud to recognize the outstanding students who made the Dean's List from Spring 2023 eligibility. Undergraduate students with a GPA of at least 3.5, who took a full-time class load and did not drop any classes, are placed on the Dean's List. Students in **red** earned a 4.0 GPA for the semester. We are proud of all of our HIMSE students and their accomplishments and encourage you all to keep up the good work and put in your best effort on all you do! Congratulation from the Dean, faculty, and staff of The Hal and Inge Marcus School of Engineering!

Ernesto Alonzo  
Diego Alvarez-Contreras  
Austin Anderson  
Hunter Anderson  
**Francisca Anunobi**  
Anthony Arecchi  
Arturo Avila  
Macy Ball  
Jacob Balmer  
Blanca Barnum  
**Spencer Bergman**  
**Marisol Bergstrom**  
**Jonathan Blais**  
Annika Briggs  
Sydney Brown  
Manuel Castro  
Sunya Chay  
**Micah Dally**  
Nadaa Elbarbary  
Eli Eldridge  
**Brandon Essary**  
Tooa Faalogo  
Hollie Filyaw

William Flores  
**Loredana Fouonji**  
**Beth Gallatin**  
Christian Gordon  
Benjamin Gress  
**Christopher Hatakenaka-Gibbs**  
Andrew Horton  
Luke Howell  
Hayden Jones  
**Immanuall Lee**  
Jaewook Lee  
Marcus Lenker  
Keanu Lyons  
Luis Madora  
**Zachery Martin**  
Nathan Martinez  
Jared McGrew  
**Patricia McGarrah**  
Lara Montefalcon  
Octavio Moran, Jr.  
**Sierra Nees**  
Garrett Orwig

Courtney Osborn  
Austin Payne  
Riley Phelps  
Jackson Philbrook  
**Victor Phillips**  
Kaeli Ploettner  
**Peyton Prom**  
Caden Rebollo  
**Connie Rodriguez**  
Sal Rocket Salas  
**Cory Schramm**  
Claire Skaggs  
Kolby Skolrood  
**Karla Soto**  
Edward Suppes  
Omkumar Tada  
Cole Tinsley  
Regan Vancleave  
Patrick Walsh  
Elijah Whitesell  
Madeline Wolff  
Joe Yang  
Bodhi Yost



**GUEST SPEAKER Leslie Washko's** Technology Entrepreneurship course (ME 317/MEM512/MME517) hosted guest speaker **Robert Carlson**. Rob is an entrepreneur, author, scientist, namesake of "Carlson Curves" which describes the pace of improvement of biological technologies. Dr. Carlson has also developed a number of new technical and economic metrics for measuring the progress of biological technologies. He is a frequent international speaker and has served as an advisor to such diverse organizations as The Hastings Center, the UN, the OECD, the US Government, and companies ranging in size from startups to members of the Fortune 100. Some of the students are familiar with his work from his article, "Seeing the End of Oil" (<http://www.bioeconomycapital.com/posts/2019/9/23/seeing-the-end-of-oil>) and Dr. Carlson was happy to dive deeply into the concepts outlined in that article, which was very interesting, especially hearing it from the author and researcher himself!



**PACCAR EVENT** One of our alumni, **Daryl Salhus** '19 MME, working for PACCAR via Kenworth Truck Company, reached out to representatives of our SAME (Society of American Military Engineers) Student Chapter – **Dr. Frank Washko**, faculty advisor, and **Andrew Horton**, Chapter President, to host a PACCAR Career Event on March 15th. The PACCAR reps gave a presentation to attending students (ME, CS, IT) and did on-the-spot interviews. It was a great event, with one of our students hired from it! They also brought out their Diversity and Inclusion-wrapped truck (photo) to show their support! Many thanks to PACCAR and SAME for hosting!



**THAT'S HOW WE ROLL** On April 20, our HIMSE student chapters hosted an All-HIMSE BBQ and Movie Night. About 50 students, staff, alumni, and faculty attended and noshed on burgers and hotdogs with all the trimmings, sides, and desserts, while we watched “Ford v Ferrari” (sponsored by our SAME chapter). Our SAME Chapter also showed off their finished project for this year--a kit-built go kart—parked in the Cebula lobby during the event. They hope to rebuild a donated go kart next year for possible recruiting trips to local schools to show the kinds of interesting things ME students are involved with. Everyone had a great time! Many thanks student chapters and event participants!



**CONTINUE THE COMMUNITY WITH LINKEDIN** Don't forget to join our LinkedIn groups to continue to keep the community vibe alive – network with each other, mentor our students, and share information about scholarships, internships, and job opportunities. All SMU staff, faculty, students, monastic members, alumni, and community supporters are welcome to join these groups and participate in the community!

**[CLICK HERE TO JOIN THE ENGINEERING GROUP](#)** (primarily civil and mechanical engineering)

**[CLICK HERE TO JOIN THE COMPUTER SCIENCE GROUP](#)** (primarily computer science and information technology)

**REPRESENTING AT FAIRCHILD AFB** **Adam Takata**, WAV2T Director, recently attended Saint Martin's University at the Education and Career Fair at Fairchild Air Force Base in Spokane, WA. Adam noted, "I greatly appreciate the opportunity to connect with transitioning service members, veterans, and military spouses, discussing the diverse range of programs available at SMU, including the Washington Vets 2 Tech program." Thanks, Adam!



**CONDOLENCES** **Neal Bullinger**, SMU ITS Network Administrator, passed away on May 2, 2023, following a long battle with cancer. He was one of our unsung heroes, who worked quietly behind the scenes to keep our most critical technology systems operating smoothly. Several weeks before his passing, Mary Donahoo, AVP of ITS and CIO, shared this: "For those who have not met Neal, 'he is a pillar of this institution, has built our computer systems from almost nothing, and holds decades of knowledge, as well as love for Saint Martin's,' his co-workers tell me. Neal has been a 'stalwart' member of our Saints family and ITS office for over 30 years, sometimes sleeping on the floor in years long past (when things were much slower) to see computer systems up and running as soon as possible. He is an utmost senior administrator with an incredible amount of knowledge, whose absence will be greatly felt by his coworkers."

**A service in celebration of Neal's life is set for Saturday, June 3rd at 1:00 p.m. at the Life Center Church, 201 N. Rock Street, Centralia, WA, and all are welcome to attend. Rest in peace, dear friend and colleague.**



### **FACULTY NOTES – NOTED FACULTY**

**Dr. Rico Picone** (ME) will attend an "exclusive" virtual (100-participant) DARPA (Defense Advanced Research Projects Agency) "AI Forward" interactive workshop to be held June 13-16. AI Forward is DARPA's initiative to explore new directions for artificial intelligence (AI) research that will result in trustworthy systems for national security missions. At the end of their two workshops (virtual/in-person), they will ask participants to produce white papers that will inform rapid explorations of select topics to be DARPA-funded. [\*\*READ MORE\*\*](#)

**Dr. Tapas Das** (CE) was an invited speaker at the International Meet on Civil, Structural, and Environmental Engineering (CIVILMEET2023), held during May 18-20, 2023 in Brussels, Belgium. He spoke on "Advances in Life Cycle Assessment as Applied to Water Reclamation Technologies for Beneficial Reuse & Recycling toward a Circular Economy". After his talk in Brussels, Dr. Das travelled to London to give talks at Bradford University and Imperial College. A productive trip!

We are thrilled that **Dr. Chun Seong**, CE Professor Emeritus, is returning to teach a course for our students! He consented to teach Mechanics of Materials in Summer 02 session. Welcome back, Dr. Seong!



**Dr. Dan Einstein** (ME) will be on a leave of absence next year. He plans to focus on his non-profit-- Olympia Coalition of Ecosystems Preservation--he founded in 2013, dedicated to protect, preserve, and restore the diverse ecosystems of Olympia, WA. We look forward to his return Fall 2024! [READ MORE](#)

## OUR ALUMNI AND WHAT THEY'RE UP TO

**Catherine Tran** BSCE '18 just started a new position as Utilities Accommodation and Project Engineer at Washington State Department of Transportation! Way to go, Catherine!

**Anna Johnson** BSCE '21 was promoted to Aftermarket Quality Engineer at Exotic Metals Forming, a division of Parker Aerospace! Congratulations, Anna!

**Sydney Brown** BSCE '23 was hired as an Associate Project Manager at Michels Pacific Energy, Inc. All our best to you, Sydney!

## CONTACT US

If you are one of our alumni and have anything to share (position/company changes, professional achievements, or personal life accomplishments--wedding, children, anniversaries, etc.) please send your input to [engineering@stmartin.edu](mailto:engineering@stmartin.edu).

## CALENDAR AND EVENTS

- ❖ May 29 HOLIDAY- Memorial Day (campus closed)
- ❖ June 5 Midterm grades due for Summer 08
- ❖ June 12 Midterm grades due for Summer 07
- ❖ June 14 Last day for withdrawal for Summer 01
- ❖ June 16 Last day for withdrawal for Summer 08
- ❖ June 19 HOLIDAY- Juneteenth (campus closed)
- ❖ June 23 Last day for withdrawal for Summer 07
- ❖ June 24 Summer 01 ends
- ❖ June 26 Midterm grades due for Summer Main
- ❖ July 1 Summer 08 ends
- ❖ July 3-4 HOLIDAY- Independence Day (observed – campus closed)
- ❖ July 5 Summer 02 and 09 start
- ❖ July 6 Add/drop deadline and attendance due for Summer 02
- ❖ July 8 Summer 07 ends
- ❖ July 10 Add/drop deadline and attendance due for Summer 09
- ❖ July 14 Last day for withdrawal for Summer Main
- ❖ July 31 Midterm grades due for Summer 09
- ❖ Aug 2 Last day for withdrawal for Summer 02
- ❖ Aug 5 Summer Main ends
- ❖ Aug 19 Conferral date for summer graduates
- ❖ Aug 25 Faculty and student convocation
- ❖ Aug 25 Residence halls open for 1st year students
- ❖ Aug 26-27 Residence halls open for all other students
- ❖ Aug 28 Lacey campus Fall 2023 semester starts
- ❖ Sept 1 Add deadline for Fall Main session
- ❖ Sept 4 HOLIDAY- Labor Day (campus closed)





## DEAN'S CORNER

The May Newsletter is one of the most enjoyable newsletters of the year, as it filled with stories of our students' successes. This year is no exception. Late April was a celebration of our senior students as they were recognized for their contributions (academic, athletic, and service) over their student careers.

A particular highlight was the recognition of **Patricia "Patsy" McGarrah Brogan** as

Salutatorian (pictured at right with President Bonds-Raacke). Patsy graduated with a bachelor's degree in mechanical engineering with a minor in electrical engineering. She earned a cumulative grade point average of 4.0. Brogan grew up in Montesano, Wash., and attended in the Montesano School District. She participated in the Running Start program in high school and earned her associate in arts degree from Grays Harbor College. Brogan returned to Grays Harbor the following year to earn a degree in automotive technology.



After serving in the military, Patsy used her G.I. Bill to pursue a bachelor's degree in mechanical engineering at Saint Martin's University. She was inducted into the Pi Tau Sigma Honor Society for Mechanical Engineers in 2020, and the Honor Society of Phi Kappa Phi and the SALUTE Veterans National Honor Society in 2021. We are very proud of her!

I'd like to share some faculty news. **Dr. Liza Bornasal** has been elected as the department chair for Civil Engineering. **Dr. Frank Washko** has been elected as the department chair for Mechanical Engineering. Both appointments are effective 15 August. I'd like to thank them for agreeing to serve their colleagues in this important position. They will have big shoes to fill as **Drs. Dintie Mahamah** and **Shawn Duan** revert to full-time faculty status after excellent terms as chairs. **Dr. Mahamah** will take the Spring 2024 semester off on sabbatical.

On a personal note, our pilgrimage to Santiago de Compostela with **Rick and Pam Panowicz** was challenging yet rewarding as we all faced sicknesses on the trip – including my first bout with COVID. It was still filled with rich blessings, spiritual growth, wonderful fellowship, and the intense experience of walking through small-town Portugal and Spain. I appreciate my colleagues for covering for me during the pilgrimage and in June as I convalesce from having my other hip replaced.

I hope your summer is full of blessings. As we read in Psalm 119, we are all pilgrims on this earth. I hope your journey continues to be rewarding. Keep your eyes on the prize!

Best wishes,

**David H. Olwell, Ph.D., Professor and Dean**  
**Hal & Inge Marcus School of Engineering**



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