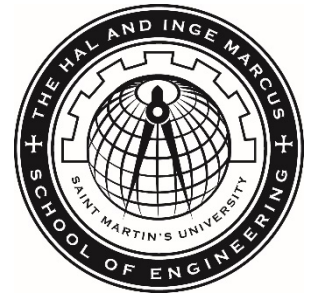




Saint Martin's
UNIVERSITY



CORNERSTONE

The Hal and Inge Marcus School of Engineering

Spring 2022- March



SPRING – A TIME FOR RENEWAL!



Spring semester is progressing well. Covid measures continue and will continue for a time after spring break to comply with state higher education mandates and to keep our community safe from possible after-break spikes. Our main concern is the safety of our community. We appreciate everyone's considerate compliance as we (hopefully) come to the end of pandemic parameters.

Take time during this season to reflect on your lives and ways to renew yourself to be your best you!

As always, everyone here prays for only the best for each of you – our Saint Martin's HIMSE community.

DISTINGUISHED ENGINEERING ALUMNI



Tamara Jenkins

Saint Martin's University announced the eleven recipients of its 2022 Distinguished Alumni Awards during Homecoming festivities on February 5, 2022. According to **Cecelia Loveless**, VP for Institutional Advancement, "Each in their unique way has inspired leadership, service, and professional success that has transformed the lives of others." Two of the awardees, **Tamara Jenkins** '95 and **Bill Iyall** '73 are Civil Engineering alumni of Saint Martin's, so we'd like to recognize and honor them too.



Bill Iyall

SCHOLARSHIP PARTNERS



Our featured scholarship provider in this issue is the Puget Sound Engineering and Science Scholarship Fund (PSE&SSF). PSE&SSF is a non-profit corporation that supports students in engineering, science, and related technical fields. The organization is comprised of active and retired scientists, engineers, and related professionals who volunteer their time.

Since 2001, they have awarded nearly 400 scholarships to high school and college students in the Puget Sound area totaling nearly \$600,000. This year they plan to award over \$80,000 in scholarships. Over 95% of every dollar received has gone directly to scholarships. There are 10 separate scholarships for which Saint Martin's Civil and Mechanical Engineering students can apply. Scholarship values in the list range from \$1,500 to \$5,000 and recipients are chosen solely based on demonstrated dedication to their studies, contribution to their communities, and financial need. Don't forget to get an unofficial electronic copy of your academic transcript to submit with this application (and others). The application **deadline is April 29, 2022.**

According to **Mike Rigsby**, PSE&SSF representative, "In the past we have had good success in getting high quality applications from Saint Martin's students and would encourage students to apply again this year." Here is a link to their website where students can find the scholarship applications and more information about PSE&SSF:

<https://www.psessf.org/ScholarshipNamed.html>

OTHER SCHOLARSHIP OPPORTUNITIES!

- **Society of Women Engineers:** Incoming First year applications deadline is **May 2, 2022** - <https://swe.org/scholarships/>
- **Institute of Transportation Engineers:** ITE Diversity Scholar Program deadline is **March 15, 2022** - [https://ite.informz.net/ite/data/images/ITE%20Diversity%20Scholar%20Program%20Flyer%20\(2022\).pdf](https://ite.informz.net/ite/data/images/ITE%20Diversity%20Scholar%20Program%20Flyer%20(2022).pdf)
- **AGC:** Civil Engineering sophomore-senior status. Application deadline: **April 1, 2022.** https://docs.google.com/document/d/12pOiWcXteWlWH6flgnTQTRubw9ss9_0C/edit?usp=sharing&ouid=105256575084966695475&rtpof=true&sd=true
- **SAME:** Civil or mechanical engineering; application deadline **May 15, 2022**- https://drive.google.com/file/d/1A_SWshHlNp2yJ4Th9QxOXlf5I4DExer7/view?usp=sharing
- **RCI-IIBEC Foundation, Inc.:** Civil Engineering students. Application deadline: **April 7, 2022** <https://learnmore.scholarsapply.org/rci-iibecfoundation/>

INTERNSHIPS!

Now is the time for all juniors and early seniors to seriously consider securing an internship for this summer. Internships are experiential learning opportunities that allow students real world application of academically-learned principles. Today's job market is highly competitive and industrial experience via an internship yields valuable on-the-job training, skills, knowledge, and professional references that will give you a leg up over others. ! **[READ MORE](#)**

One recent success story is from one of our students, **Edward Suppes**, who just landed a summer 2022 internship with Hanson Professional Services Inc., headquartered in Springfield, IL, with offices in 10 states. Edward will be working in their Kansas City, Missouri, location starting May 23, 2022, in Railways Transportation with a paid internship, including a housing stipend. Congratulations, Edward!

If you are interested in an internship, start your journey by meeting with our assigned SMU Internship Navigator, **Carina Bissett** (cbissett@stmartin.edu / 360-688-2834/ Harned Hall 113).

2022 ENGINEERING AWARENESS DAY AND 70th ANNUAL ENGINEERING BANQUET

Even with covid-related issues, our recent National Engineers Week activities continued this year.



Ariful Islam (grad student) presents at the Robotics station

ENGINEERING AWARENESS DAY

Engineering Awareness Day (EAD) on Feb. 23rd saw two local high schools granted school district approval for field trips to Saint Martin's University for the first in-person Engineering Awareness Day in several years. North Thurston High School and Olympia High School sent a total of 51 students to participate.

After a welcoming session, student groups rotated through four stations -- Computer Science (CS/IT) and Robotics (ME) in Panowicz Foundry. Cebula Hall was host to the Senior Design Projects (CS/IT, CE, ME), with many of our seniors proudly showing off their great work, and Structures (CE). Many thanks to our HIMSE faculty, staff, and students, as well as our amazing Admissions staff, who kept this annual recruiting and educational event going strong!



Dr. Razvan 'Alex' Mezei talks to students about Computer Science

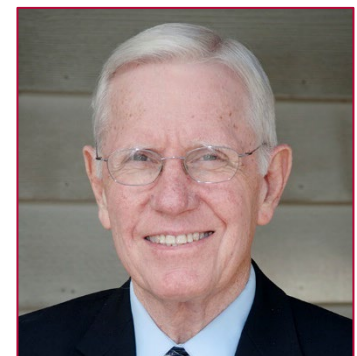
ENGINEERING BANQUET

Though we would have loved to host an in-person event this year, we instead held our 70th Annual Engineering Banquet as a Zoom webinar again. People just didn't seem quite ready for a close quarters full banquet event. We were, however, able to host a great webinar on Friday, Feb. 25th from 6-7 p.m. **Dr. David Olwell**, Dean of HIMSE, and **Brian Ziegler**, Engineering Advisory Board President, offered introductory welcoming remarks, with **Fr. Peter Tynan** delivering our invocation.

This was followed by our two speakers. **Waite Dalrymple**, founder and Chairman of the Board of Parametrix, and **Thomas Skillings**, founder and President of Skillings (formerly Skillings-Connolly Inc.), are both alumni of Saint Martin's Civil Engineering program. With entrepreneurship as the topic, each talked about how they started their companies, what it has taken to keep each enterprise going successfully for many decades, and the impact of their Saint Martin's University educations on their successes. In addition, Thomas and Waite are longtime valued HIMSE Engineering Advisory Board members. Many thanks to them, and all who attended this year's virtual Engineering Banquet and worked to make the event a great success!



Waite Dalrymple



Thomas Skillings

DEAN'S LIST FROM FALL 2021

We're proud to recognize the outstanding students who made the Dean's List from Fall 2021 eligibility. 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!

Ishi Agrawal
 Andrew Alfred
 Austin Anderson
Hunter Anderson
 Francisca Anunobi
 Alex Arana
 Arturo Avila
 Eli Baker
 Spencer Bergman
 Marisol Bergstrom
 Alex Blakley
 Andrew Boyd
 Annika Briggs
 Zachariah Brincken
 Sydney Brown
 Finnley Butler
Ester Cabotage
 Brandon Campbell
 Christopher Carlisle
 Sunya Chay

Andy Choi
Gary Choi
 Ethan Chung
Patrick Conerty
 Nikolas Cook
 Kyle Delos Santos
 Zoe Djafarian
 Lee Duan
 Archie Escobido
 Brandon Essary
 Alex Garaté
 Daniil Golyaka
 Christian Gordon
 Benjamin Gress
 Michael Grubb
 Isaac Hernandez
 Joseph Kaneshiro
 Ian Kisamore
 Kyler Limata
Darran Lum

Keanu Lyons
Zachery Martin
 Nathan Martinez
Patricia McGarrah
 Alexandria Miller
 Benjamin Miller
 Ruvim Mintenko
 Lara Montefalcon
 Octavio Moran, Jr.
Zachary Musgrove
 Ethan Nguyen-Hopkins
 Garrett Orwig
 Victor Phillips
 Austin Piper
Kaeli Ploettner
 Parker Pontarolo
 Krizia Ragotero
John Rambo
 Robert Ramey
 Kameron Richards

Daniel Rivera
 Realani Angelina Rulona
 Kevin Salas
 Hunter Sasaki
Cory Schramm
Andrew Schulz
Claire Skaggs
Morgan Smith
 Zichen Song
 Connor Soran
Justin Stratford
 Carrie Stricklin
Edward Suppes
 Kaylah Tibbits
 Cole Tinsley
 Madeline Wolff
Natalie Zender

Just a few of our Dean's List recipients are pictured below receiving their letters from **Dean David Olwell**.



Ester Cabotage



Zichen Song



Sunya Chai



Benjamin Miller



Andrew Schulz



Alexandria Miller



John Rambo



Marisol Bergstrom

FACULTY NOTES – NOTED FACULTY



India's National Science Day Celebration was held on February 28, 2022. The celebration was sponsored by the Indian Chemical Society with the theme "integrated approach in science and technology for a sustainable future." The keynote address was delivered by HIMSE's own **Dr. Tapas Das** on "Sustainable Water and Wastewater Treatments: Water Reclamation Technologies for Beneficial Reuse and Recycling" focusing on industrial and urban watersheds in India. While introducing his presentation, Dr. Das stated in his address, "I think water is the next oil or gold in India." This NSD Celebration featured other speakers, as well as theme competitions of speech, model, and poster amongst school children, higher education students, and researchers. Congratulations, Dr. Das. [READ MORE](#)

Dr. Shawn Duan secured a \$50,000 quick response grant from the WA Department of Transportation for the Methane Electricity Generation Project – Phase IV. This project aims to build off the previous design (WA-RD 901.1) to create an energy recapture and generation system applicable to the Safety Rest Areas (SRA) or other public facilities operated by the Washington State Department of Transportation (WSDOT). This system uses methane generated in the wastewater conveyance process to create electrical energy to run the SRA with the possibility to send excess electricity to the grid. This project revolves around two high-priority problems: (1) reduce greenhouse and prevent harmful gas release into the atmosphere, and (2) quell operational and capital costs at SRA's while fulfilling regulatory requirements. There has been interest in this project due to its potential in the green energy market, a growing sector of the economy. If this generator proves to be economically feasible, it could be implemented along with photovoltaic, wind, and wave energy generation technologies on a large scale. The project team consists of Dr. Duan, Graduate Research Asst. **Yuxin Song**, and BSME senior design students **Hao Hu**, **Zachary Musgrove**, and **Morgan Smith**. Congratulations, Dr. Duan and students!



Saint Martin's HIMSE students participate in restoration efforts on January 17, 2022.

Dr. Daniel Einstein, mechanical engineering faculty, is also the President of the Olympia Coalition for Ecosystems Preservation (OlyEcosystems). Their mission is to protect, preserve, and restore diverse ecosystems in Olympia, Washington. Every year on MLK Jr Day, they host a tree-planting event in Olympia. This year was no exception with the group, including SMU students and faculty, planting 3,000 shrubs and trees in an area recently cleared of invasive ivy and blackberry on January 17th. This year's event started at the Hays Trailhead and continued along the trail towards West Bay Drive.

Many thanks to Dr. Einstein and our students and faculty for their efforts supporting this event! [READ MORE](#)



Dr. Isaac Jung shared this archival story and photos. In 1939, Saint Martin's College was an all-male school – faculty (mostly Abbey members) and students. In anticipation of WWII and the need for more pilots, the federal Civilian Aviation Agency funded flight training at various schools, including SMC. Though the student body was all male students, female students were equally accepted into this program. This was the first SMC co-ed program and the picture on the right shows **Gladys Buroker** (pointing at the airplane model), who was the first female instructor of Saint Martin's College. Though the Civilian Pilot Training Program contract amicably dissolved in 1944, SMC offered flight classes into the 1950s.



SMC students who participated in the flight program held at the Olympia Airport

With history like this, Dr. Jung says he is proud to have taught mechanical and aerospace engineering for 31 years at Saint Martin's. We're proud of your accomplishment too, Dr. Jung! [**READ MORE**](#)

GET TO KNOW THE ENGINEERING ADVISORY BOARD

Dr. Ralph Jensen received both his Master of Science in Mechanical Engineering and his PhD in Infrastructures from The University of Texas at El Paso. He has over 40 years' experience in product development and manufacturing; primarily in computer hardware. He not only started a successful company of his own in the late 90's, but has worked for greats like Dell, LFE-Axxion, and Intel throughout his extensive and laudable career. He also has 15 patents for electronic and computer system hardware.

Dr. Jensen taught engineering courses for both the University of Texas system and Saint Martin's University. He is passionate about mentoring and training new engineers and has been a member of our EAB since 2013. Thanks for your support and service to our students and school, Dr. Jensen!



OUR ALUMNI AND WHAT THEY'RE UP TO

TREVOR ENGSTROM (WEIDENFELLER)- BSIT '19: Trevor recently moved to Fort Huachuca, AZ and is now working for Insight Global as a Software Engineer. He has some advice for current students: "The courses at Saint Martin's introduced me to the basics of building a web page and object-oriented programming. I was very upfront during the interview process [in my initial job search] about my beginner-level skills, but made sure they knew about my desire to keep learning. If I had any advice for current students/recent grads it would be:



- Focus on the basics of your preferred computer language. Once you have the basics down for a language such as C#, learning additional languages will come easier. There's a ton of languages and frameworks out there. Nobody knows them all. Get good at one and the rest will come.
- The application process is a real drag and can be disheartening. The only thing you can do is to keep trying. I made a folder in my email of all my rejection letters. It has over 100 in there. I haven't deleted it yet, because it's a good reminder of what I overcame.
- Don't forget that interviews are a 2-way street. The employer wants to find a good fit for their role, but you should also be looking to find a good fit for yourself. I know you'll be excited to get any job that will give you experience, but there are a ton of different avenues you can take in this career field [computer science] and a lot of them may not be for you or can really burn you out.
- PLEASE NEGOTIATE YOUR OFFER LETTER!!!! I know you're excited to get working and the offer probably pays a lot more than your current job on campus, but I've never heard of any company rescinding an offer due to a negotiation. Don't be afraid to ask for a higher salary.
- Start working on your side project, keep adding to it, and have it ready for others to view. When your resume is short on experience, having a working example of your skills and what you are capable of creating can go a long way. I created a website that had my resume and reasons why someone should hire me. A lot of interviewers will ask you what pet projects you are currently working on. In the interview where I got hired, I told them I've been creating my own website and the interviewers pulled it up and reviewed it on their phones right in front of me."

Thanks for the great advice, Trevor, and, remember, once a Saint, always a Saint!

Two of our international student graduates have been offered employment sponsorship by their employers.

AKARA HAY- MME '20 from Cambodia working at Auburn Mechanical in Auburn, WA

SHUJATH BAIG MIRZ- MEM '18 from India working at Mindtree in Bellevue, WA

Congratulations to both Akara and Shujath!

ABDULAZIZ ALSULTAN- BSME '20: Aziz is now working as Operations Manager controlling the driverless trains for Riyadh Metro Project. This is the world's biggest metro project with six lines. Nothing you can't handle, Aziz!

AIDEN HUNTER, EIT- BSME '19/MME '21: Congratulations to Aiden on his recent employment as a Design Engineer for Pace Edwards in Centralia.

FAHAD BUSBAIT- BSME '18: Though he's been working at Aramco since Nov 2018, Fahad was recently promoted to Drilling Engineer in Dhahran, Saudi Arabia. Congratulations, Fahad!

BEN WARNER-BSME '19: Ben was recently promoted to Project Manager at Holaday-Parks, Inc. Great job, Ben!

ABDULLAH GHURAB- BSCS '19: Abdullah is now a Systems Analyst for Aramco in Dhahran, Saudi Arabia. Keep up the good work, Abdullah!

RAKAN ALZHRANI BSME '20: Congratulations to Rakan on his recent employment as a Project Engineer with Compressor Controls Corporation in Al Khobar, Saudi Arabia!

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 to engineering@stmartin.edu.

Don't forget to join our LinkedIn pages to continue to mentor our students and share information about scholarships, internships, and job opportunities:

ENGINEERING: [TO JOIN THE ENGINEERING GROUP](#)

COMPUTER SCIENCE: [TO JOIN THE COMPUTER SCIENCE GROUP](#)

CONDOLENCES

Donald (Don) G. Monaghan '68 BSCE passed away on Jan. 10, 2022. He attended Kansas Wesleyan University, transferred to St Martin's University for his BSCE degree, and then attended the University of Puget Sound for a Masters and post masters studies.

His career in Public Works for municipal governments began in Renton, with his next position as City Engineer of North Bend, followed by Director of Public Works for the City of SeaTac where he retired in 2004. After retirement, he worked with CH2MHill and then started his own consulting business.



In addition to his wife, Cheryl, he is survived by his four children, six grandchildren, beloved brother, **Terry BSCE '62** (Mary Louise) and his sister. Rest in peace, Don Monaghan. [READ MORE](#)

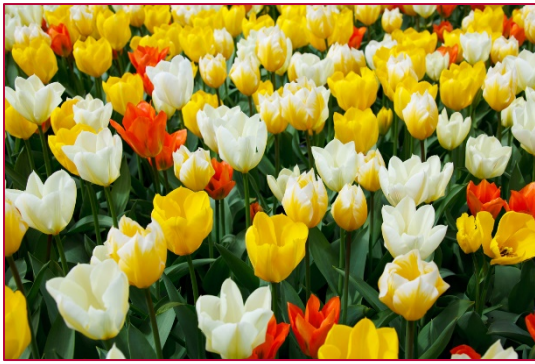


The Saint Martin's community was saddened by the passing of **David Hlavsa**, longtime SMU faculty, on January 28, 2022. For over 30 years (1989-2020), David was a professor and the Director of the SMU Theater Arts Department. In addition to theater and film, he taught courses in literature, religious studies, education, business leadership, women's and gender studies, economics, and sociology.

He directed over 40 plays, served as Faculty President twice, and received the Monks of Saint Martin's Outstanding Teaching Award for 2005-2006. In fall 2021, he became a graduate student in the Masters of Arts in Counseling (MAC) program.

He wrote and had published many works, notably an essay, inspired by the passing of his first son James, which was expanded in his acclaimed memoir *Walking Distance: Pilgrimage, Parenthood, Grief, and Home Repairs*. He is survived by his wife Lisa Holtby; his mother, Vivi Hlavsa; and his son, Benjamin. Rest in peace, David Hlavsa. [READ MORE](#)

CALENDAR AND EVENTS



- ❖ Mar 21 Saint Benedict's Day (university holiday)
- ❖ Mar 22 Add/drop Deadline (09/11 terms)
- ❖ Mar 24 Advising Day (no classes-Lacey campus)
- ❖ Apr 4 Priority registration begins for summer/fall 2022
- ❖ Apr 8 Last day for Withdrawal from Spring

Main-00 courses

- ❖ Apr 11 Mid-term Grades due for terms 09/11
- ❖ Apr 15 Good Friday (university holiday)
- ❖ Apr 18 Easter Monday (university holiday)
- ❖ Apr 22 Last day for Withdrawal from Spring 09/11 term courses
- ❖ Apr 25-29 Study Week
- ❖ Apr 26 Honor Convocation
- ❖ Apr 28 Senior Commencement Fair
- ❖ Apr 29 Study Day (no classes)
- ❖ May 2-6 Final Exams
- ❖ May 4 National Day of Prayer
- ❖ May 6 WAV2T Graduation (11A-noon)
HIMSE Awards/Order of Engineer/Pledge of Computing Profsnl (1-2P)
Baccalaureate Mass & Hooding Ceremony (430-630P)
- ❖ May 7 Commencement Ceremony
- ❖ May 9 Summer 08 term starts (WAV2T)
- ❖ May 10 Final Grades due
- ❖ May 15-Jun 2 Summer NCIAE/Tongji partnership teaching (WA time- Sun-Thur)
- ❖ May 16 Summer Main-00/01 starts
Add/Drop deadline for Summer 08
- ❖ May 17 Add/Drop deadline for Summer 01
- ❖ May 23 Add/Drop deadline for Summer Main-00
- ❖ May 30 Memorial Day (university holiday)
- ❖ Jun 6 Mid-term grades due for term 08
- ❖ Jun 15 Last day for Withdrawal for term 01
- ❖ Jun 17 Last day for Withdrawal for term 08
- ❖ Jun 20 Juneteenth (university holiday)
- ❖ Jun 24 Summer term 01 ends
- ❖ Jun 27 Mid-term grades for Summer Main-00 due
- ❖ Jun 28 Final Grades for Summer 01 term due



DEAN'S CORNER

We are ending spring break and the second week of Lent on campus as I write this. These two seasons can cause cognitive dissonance! Spring break is a joyful time for students and faculty alike, as they rest from their studies so far this semester, and some even get ahead for the rest of the semester. For Lent, we have the Stations of the Cross displayed around Cronk Plaza, and a student-led recitation for the Stations each Friday at noon. So, we balance joy and sorrow, but it all resolves at Easter!

HIMSE distributes individual letters to each student on Dean's list during the school year, and one of my happy duties is posing for photos with students when they pick them up. I like to think of refrigerators across the state decorated with pictures of our outstanding students, posted by proud parents and spouses! We have included a few of these pictures in the newsletter to share our pride in these students.

I am sad to report that Dr. Mario Guimaraes, Professor and Chair of Computer Science, has resigned to take another position in the Southeast US to be closer to his family. Mario was on a leave of absence this year. Mario started the HIMSE Computer Science department here at Saint Martin's, and the curricula in CS and IT bear his stamp. Mario has been a great colleague, and we will miss his enthusiasm and his whole-hearted support of the mission of Saint Martin's. We will have an announcement in the next newsletter about a new chair of computer science.

I am grateful to Dr. Richard Beer, who was the interim Chair of Computer Science this year. Dr. Beer will be retiring this summer after a long period of service to the university that includes seven years as Dean of the School of Business. He and his wife Ellin will relocate to California, to be closer to children and grandchildren. We will miss them as well.

It is hiring season for our graduating students. I am very grateful to all our alumni and friends who continue to hire our students, and I am particularly grateful for those who hire our international students for their optional practical training. I look forward to our future newsletters showing all the wonderful careers they have launched.

In anticipation of the joys of Easter, Karen and I send our

Very best wishes,

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



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