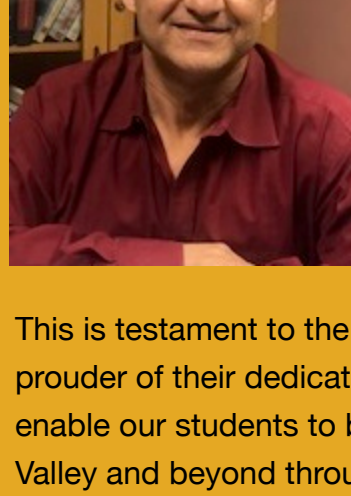




Spring 2022 ISE Newsletter

A Message from the Chair



Dr. Yasser Dessouky

Similar to other institutions, San José State University has had a challenging two years during this pandemic. However, the Industrial and Systems Engineering Department has continued to provide the quality of education that is expected by our students whether in-person, hybrid, or in an online mode of instruction.

This is testament to the resilience of our faculty, staff, and students and I cannot be prouder of their dedication during this period. We have continued with our mission to enable our students to become socially responsible engineers and leaders in Silicon Valley and beyond through an accessible, world-class education. In fact, Silicon Valley employs more engineering graduates from the Charles W. Davidson College of Engineering than any other university, and the College ranks 3rd nationally among public engineering programs offering bachelor's and master's degrees, excluding service academies. This newsletter profiles some of the exciting activities the department is engaging in, and I hope you enjoy the reading.

A few highlights: A generous gift from the Li Family to support our newly named state-of-the art wireless smart manufacturing lab, the welcoming of a new faculty member, Dr. Gaojian Huang, who is a recent PhD graduate from Purdue University, the numerous awards and/or scholarships won by our faculty, staff, and students, the mentoring our alumni are providing to our students, and the outstanding research our faculty is performing. These are few of the many stories below that are presented in this edition.

**Note that several story extensions can be reached by clicking the links indicated, which will take you to various web pages on the Department's website. Return to the newsletter to continue by going back to your email view, or click now at the very top of this mailing to open the newsletter in a new tab on your browser. Then return to that tab to continue reading.*

ISE Receives Named Lab Gift



In January, 2022, the Davidson College of Engineering announced that Engineering Room 194 will henceforth be known as:

The Vy and Timothy Li Laboratory for Industrial and Systems Engineering

This gift, the first in the ISE Department's history, will enable the department to further the teaching and research activities of the lab. Near term goals include the development of new exercises and projects for all ISE core courses that can be conducted by students in the Vy and Timothy Li Lab. In addition, new robotic and vision system equipment, along with new sensor devices will enhance the research capability of the faculty using the lab.

The Li's directed that their gift be recognized to be in honor of Dr. Louis Freund's decades of service to the ISE Department. Dr. Freund is an Emeritus Professor in the Department, founder of the Human Factors and Ergonomics MS Program, and served as ISE Department Chair from 2001-2009. The Li's are both BSIE graduates of the Department (in 2003) who went on to found MaxDecisions, Inc., a fintech leader in banking information systems.

The department is grateful to the Li's for this amazing tribute and also appreciates the many other donations in support of the department's students and programs over the past several years. The installation of a plaque and ribbon cutting ceremony are planned for the near future.

2020 - 2021 Senior Design Sponsors

Our senior design projects continue to be a highlight of our students' learning experiences. While the COVID pandemic created challenges, our sponsors came through for us. We are deeply grateful to all of the recent sponsors listed below.

Chic Fil A	Code With Us	Delta Electronics
Facebook (Meta)	Kaiser Permanente Medical Center	Lockheed Missiles and Space
Max Decisions	Morgan Advance Ceramics	Santa Clara Valley Medical Center
	Western Digital	

Featured Sr. Design Project Sponsor



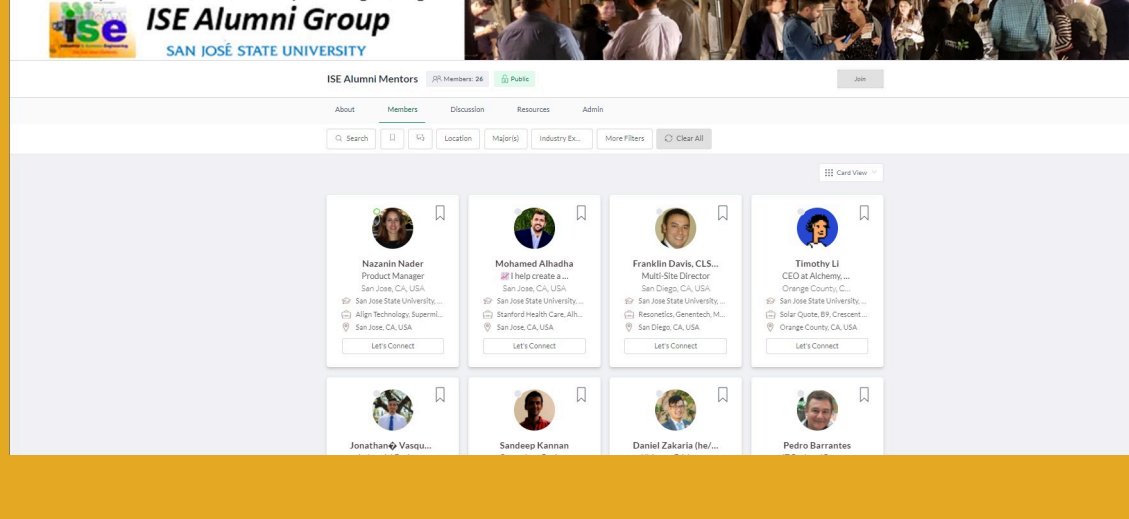
Mr. Carlos Angulo



Mr. John Tran

Meet two ISE Fall 21 grads who completed a terrific Sr. Design project at Morgan Advanced Materials. Morgan, located in Hayward, CA, has been an ISE Sr. Design project sponsor for many years. The company that creates unique ceramics out of recycled materials. In the most recent project, sponsor Ha Nguyen (also an SJSU ISE grad) set the goal of improving the efficiency of the ceramic making process in order to reduce waste and develop savings

[Read the story here](#)



ISE Alums Begin Mentoring ISE Students

Using the new SJSU2 PeopleGrove Mentoring portal, 12 ISE Alums have volunteered to be mentors for current ISE students. Students can review each mentor's professional history, interests, and preferred mentoring topics, then select mentors for a mentoring connection. All mentoring sessions are confidential, and are privately arranged on Zoom or F2F.

Alums and students who want to participate in this program can click [here](#) and join the ISE Mentoring Group.

Our Faculty Spotlight is on ...

Dr. Gaojian Huang

Dr. Gaojian Huang joined San Jose State University (SJSU) as an Assistant Professor in the Department of Industrial and Systems Engineering in Fall 2021. His research focuses on human behavior and performance and technology accessibility in complex systems, with an emphasis on automated driving, aging, and multimodal interface. During his first year as a faculty member, he has won six research grants and funding awards.



[Learn more here](#)

Recent Tenure Announcements!



Dr. Ayca Erdogan



Dr. Dan Nathan-Roberts

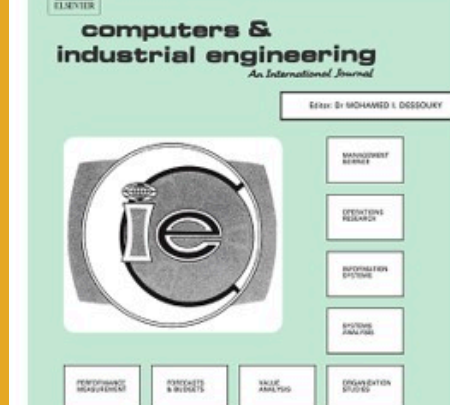


Dr. Anil Kumar

The Department confirmed in 2020 that Dr. Ayca Erdogan and Dr. Dan Nathan-Roberts had been awarded tenure. In 2021, Dr. Anil Kumar also received the tenure award. All are Associate Professors in ISE The award of tenure is a major milestone in a faculty member's career and represents sustained excellence in their record of teaching, research, and service.

[Click here to view the entire list of ISE faculty](#)

Dr. Yasser Dessouky appointed Editor-in-Chief of Elsevier's Computers & Industrial Engineering



After 25 years of service from Dr. Mohamed Dessouky, CAIE has seen its impact factor increase from .117 in 1997 to a current score of 5.431 and a cite score of 7.9. The Impact Factor ranking is 21 out of 112 in *Computer Science, Interdisciplinary Applications*, and the cite score ranking is 15 among 297 engineering journals.

Dessouky states: "I look forward to continue building CAIE into a prominent outlet for researchers to publish their work. I hope you will use the button below to visit *Computers & Industrial Engineering* to explore the top downloaded and most cited papers as well as the state-of-the-art special issue topics that the journal is currently hosting."

[Link to Computers & Industrial Engineering](#)

Click the boxes below to view the Complete lists of 2020 - 2021 ISE faculty publications,

presentations, awards, and professional activities...

...that can be found on separate pages on our Department website.

Other [Internal grants and activities of note are reported here.](#)

Click this box to view List of
2021-2022
Refereed Publications and Books

Click this box to view List of
2021-2022
Conference Presentations and papers

Click this box to view List of
2021-2022
External Grants and Contracts

College of Engineering 2021 Staff Excellence in Service Award

Ms. Fabiola Arellano

Administrative Analyst
ISE Department

I've been a staff member with San Jose State for 16 years!. Having been a student myself and having been in their shoes, I wanted to give to them what had not been offered to me. I wanted to be there for the less represented students and give them what I would have wanted while I was studying. I'm happy to see many students, once they are ready to graduate, come to my office and simply say a "Hello and Thank you for all your help these years." This is very rewarding!!



[Learn more](#)

ISE 151 Wins GE Area V Approval!



In response to a new University requirement, Adjunct Prof. Jose Flahaux revised elements of ISE 151 - Engineering Management - to include new General Education Area V topics. Area V, which highlights culture, civilization, and global understanding is now represented in ISE 151 through new lectures, assigned readings and assigned papers. The course is now open to all upper division majors, and has been renamed:

ISE 151 - Engineering Management Systems in a Global Society.

Student Highlights

Student Awards and Recognitions

2021 ISE Jindia Scholarship Award Winners



Ms. Daniela Marinez



Ms. Gift Olatunji

Daniela and Gift are Senior ISE students with exceptional backgrounds, achievements and inspiring stories. They were selected from among all eligible applicants to receive the 2021 \$800 Jindia scholarship award near the end of the Fall semester.

[Click the photos for details](#)



Announcing the Winner of the

2021 ISE Newnan Student Excellence Award

Ms. Gaia Bach

Industrial & Systems Engineering

[Learn more](#)

Spring/Fall 2021 Graduation Recognitions

The Department was proud to learn of the outstanding academic achievements of the following May, 2021 BSISE graduates:

Summa Cum Laude (Above 3.85 GPA): —Mamta Kanda — Joveli Njomin

Magna Cum Laude (Above 3.70 GPA): —Adam Ababneh— Ethan Duong

Cum Laude (Above 3.5 GPA): —Steven Permana— Nestor Gimenez— Jin You Goh— To Uyen Nguyen Hoang— Andre Ng

A quick look at the numbers:

ISE registrations in all programs remain strong. Overall enrollment is up over the year by 24 students, with BSISE growing by 24 students from its 2021 level, and grad programs remaining relatively steady.

2022 ISE By the Numbers

455 Students including:

193 BSISE

262 Graduate students:

- 61 MS ISE:

- 131 MS Engineering Management

- 70 MS Human Factors/Ergonomics

Alumni Spotlights

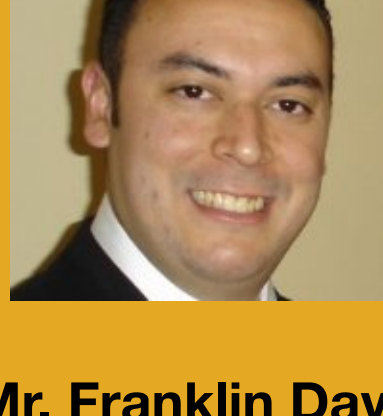


Ms. Rebecca

Maddox

Rebecca (Mantecon) Maddox received a B.S. in ISE from SJSU in 2013 and an M.S. in ISE in 2015. She's worked for Juniper Networks and is now a Technical Program Manager at Applied Materials.

[Learn More](#)



Mr. Franklin Davis

Franklin has a B.S. in ISE from SJSU and an M.S. in Engineering Management & Leadership (Santa Clara University). Now, with over 20 years of industrial experience, he is a Site Director for Resonetics.

[Learn More](#)

In the Department Advisory Committee (DAC)

Spotlight:



Mr. Soheli Sareshwala

Soheli Sareshwala is an accomplished industrialist who completed bachelor's degree in Mechanical Engineering at L.D. College in Ahmedabad in 1986. He then completed his Masters in ISE at SJSU in 1988. Soheli is now the CEO and President of Accuswiss Inc, which manufactures precision components and parts for O.E.M's.

[Learn More](#)

And, in closing, just "one more thing"....

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The ISE Circle of Friends

Strong partnerships with local companies, our alumni, and professional organizations have all contributed to the growth and successes of the ISE Department. Mentorships, student sponsorships, project and research opportunities, all empower our quest for excellence of our academically challenging programs, our labs, and curriculum content.

To discuss a donation or contribution concept, email the Department Chair at: Yasser.Dessouky@sjsu.edu, or contact the ISE Department office at 408-924-3301.

Send comments and corrections to the Editor:

Louis.Freund@sjsu.edu

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