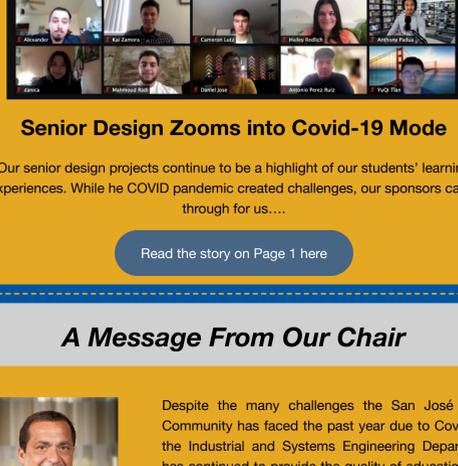




Spring 2021 ISE Newsletter



Senior Design Zooms into Covid-19 Mode

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....

[Read the story on Page 1 here](#)

A Message From Our Chair



Dr. Yasser Dessouky

Despite the many challenges the San José State Community has faced the past year due to Covid-19, the Industrial and Systems Engineering Department has continued to provide the quality of education that is expected from our students. I can not be prouder of the dedication shown by the faculty and staff for maintaining excellence thru out this period. This newsletter highlights some of those exciting activities the department is engaging in to support our faculty, students, alumni, and the community in general.

Some highlights: A generous gift from Mr. Rajinder Jindia to support student scholarships, and an Omron donation of a mobile robot and vision system components to support the department's state-of-the-art wireless manufacturing cell. The department welcomed a new faculty member, Dr. Yupeng Wei, who is a recent PhD graduate from Penn State. ISE Department faculty continue to be recognized for their efforts. The Davidson College of Engineering named the 2020 Award for Excellence in Service to Dr. Minnie Patel. Three of our alumni are profired that demonstrates the success and diversity of careers our alumni achieve. These are few of the many items that are presented in this edition, and I hope you enjoy the reading.

**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.*

News! Masters in HF/E Wins 2nd 6 year accreditation from HFES!

The Human Factors and Ergonomics Society (HFES) is the only organization that reviews and accredits graduate programs in Human Factors. Programs must apply for this review by submitting a comprehensive descriptive document answering many questions about the program's design, students, faculty, labs, and other resources. The SJSU program first applied for and was awarded accreditation in 2013. Now, again at the end of its first 6 year accredited period, the program has again applied for and received this important recognition and status.

Of the 76 HF programs in the US, only 21 are accredited. Besides recognizing the quality of the program's faculty, labs, and teaching program, accreditation guarantees graduates of the program receive Associate membership status with the Board of Certification of Professional Ergonomists (BCPE).

[Use this link](#) to visit the program's website to learn more about the curriculum and faculty.

[Use this link](#) to visit the Human Factors and Ergonomics Society to see the SJSU program description.

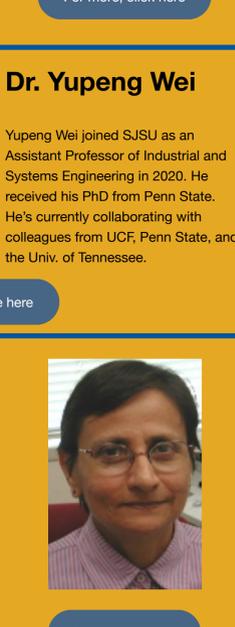
[Use this link](#) to learn more about the Board of Certification of Human Factors Professionals(BCPE)

Our Faculty Spotlight is on ...

Dr. Anil Kumar

Dr. Kumar, an Associate Professor in ISE and Director of the Department's MS program in Human Factors / Ergonomics (MS HF/E), has received 3 new externally funded grant awards:

1. **Supportive Interface Design Guidelines**, Sponsor-Honda Research Institute
2. **Remote Human Factors Validation study of 3 mg sumatriptan autoinjector for migraine patients**. Sponsor-Noble of Aptar Pharma
3. **Understanding Safety and Usability of Personal Vehicles for Non-Driving Individuals with Disabilities and their Families** Sponsor - Mineta Transportation Center



[For more, click here](#)



Dr. Yupeng Wei

Yupeng Wei joined SJSU as an Assistant Professor of Industrial and Systems Engineering in 2020. He received his PhD from Penn State. He's currently collaborating with colleagues from UCF, Penn State, and the Univ. of Tennessee.

[Learn more here](#)

Dr. Minnie Patel

The College of Engineering

2019-2020 Faculty Award for Excellence in Service

Awarded to Dr. Patel in a virtual awards ceremony last May, the award recognizes one faculty member each year faculty who has demonstrated exceptional service to students, a department, the college, the university or to the community.



[Learn more here](#)

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

Click the boxes below to view the Complete lists of 2019 - 2020 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](#).

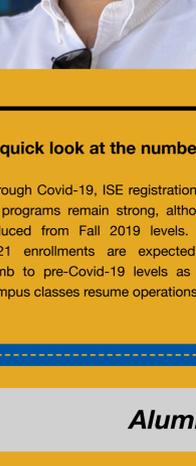
Listing of 2019-2020 Refereed Publications and Books

Listing of 2019-2020 Conference Presentations and papers

Listing of 2019-2020 External Grants and Contracts

Student Highlights

The Student IISE Chapter has been active all year!



[Click and scroll to Pages 6-7](#) for further details about these IISE Student Chapter Activities

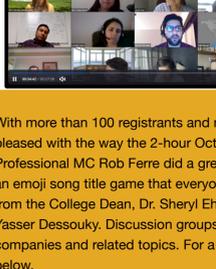
The pandemic certainly changed how things were done, but many of the student chapter activities were conducted almost as normal. See the list below and click to find out more about these great activities.

Fall 2020 - Spring 2021 included:

- Virtual Tour of Oracle Facility
- Participated in IISE National Virtual Conference
- Hosted an Internship Panel with members with Internship experience
- Hosted Game Nights, Movie Nights
- Resume feedback with ISE alumni
- Attended IISE Western Regional Conference
- Mock Interviews with ISE alumni
- ISE 101 with Dr. Dessouky
- Hosted Bi-weekly Social meetings
- Planned: Internship Panel
- Planned: Financial Advice Night
- Planned: Virtual Graduation Celebration

Student Awards and Recognitions

Jindia Scholarship Award Winners



Mr. Carlos Mendez and Ms. Mamta Kanda

Carlos and Mamta are Senior ISE students with exceptional backgrounds, achievements and inspiring stories. They were selected from among all eligible applicants to receive the 2020 \$800 Jindia scholarship award near the end of the Fall semester.

[Click the photos for their Gold Pages](#)



College of Engineering 2020
Donald Beall Rockwell Award for Engineering Accomplishment

Mr. Arman Toplu

MS Student
Industrial & Systems Engineering

[Learn more](#)

A quick look at the numbers:

Through Covid-19, ISE registrations in all programs remain strong, although reduced from Fall 2019 levels. Fall 2021 enrollments are expected to climb to pre-Covid-19 levels as on-campus classes resume operations.

<p>2021 ISE By the Numbers</p> <p>435 Students including:</p> <p>169 BSISE 266 Graduate students:</p> <ul style="list-style-type: none"> • 62 MS ISE: • 133 MS Engineering Management • 71 MS Human Factors/Ergonomics
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Alumni Spotlights



Sonia Ferrell
BSISE 2000



James Flissinger
BSISE 2003



Dina Verdin
BSISE 2013

[Click the photos for updates](#)

Our 2020 Alumni Reunion was virtual fun!



With more than 100 registrants and nearly 70 participants, the Department was very pleased with the way the 2-hour October 22nd, 2020 Alumni Reunion turned out. Professional MC Rob Ferre did a great job of getting the group organized and hosted an emoji song title game that everyone enjoyed! The attendees heard brief reports from the College Dean, Dr. Sheryl Ehrman, and from the ISE Department Chair, Dr. Yasser Dessouky. Discussion groups focused on Covid-19 impacts on careers, companies and related topics. For a summary of the comments by alums, click below.

[Click and scroll to Pages 17-18](#) for a summary of the breakout questions and discussion

CIM Lab Upgrades Nearly Complete



The CIM lab upgrade team, in front of the new Omron Hornet station

- Mark Heinen (Omron Account Manager - Northern California)
- Lou Freund (ISE Professor Emeritus, Adjunct Professor - CIM Lab Director)
- Tom Pham (ISE Adjunct Professor - CIM Lab Specialist)
- Yasser Dessouky (ISE Department Chair)

A 3 year project...

Nearly three years ago, the ISE Department embarked on a project to revamp and upgrade the Computer Integrated Manufacturing Lab in Room 194. Members of the project team met recently to review the installation of the new Omron Hornet robot which the Department purchased... A new Omron banner now hangs on the lab's wall.

In addition, Omron has gifted the department with an autonomous robot. Tom Pham recently designed and installed a carrier for the robot so it can now service the conveyors and robot stations.

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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