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Featured Story: Impact Hub, Get Launched Santa Barbara

Upcoming Events

TRITON 5K - APRIL 9

TEAM ExCEl

Join fellow ECE alum with "Team ExCEl" at the annual Triton 5k. More information here.

ECE DAY - APRIL 12

ALUMNI WEEKEND -
Find out more about our electrical engineering students demonstrating hands-on curriculum at Get Launched SB! in the article here.

Recent Events

CWC 5G Forum - May 4-5

Faculty Awards and Honors

2015-16 Best Teacher Awards

Professor Vikash Gilja

Professor Ian Galton

Professor Paul Siegel

IEEE Fellows

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SOCIETY OF WOMEN ENGINEERS: ENVISION PROJECT FAIR

The ECE Department recently participated in the Envision Project Fair, an annual event for high school students that gives them exposure to the various fields of engineering.

Envision, hosted by the Society of Women Engineers, is a great opportunity for the high school students to develop a better understanding of the different engineering majors and help them determine their career paths. ECE's hands-on courses displayed their various models and project prototypes, including the popular pinball machines (ECE 115: Rapid Prototyping.) Attendees also helped themselves to fun giveaways - mini SunGods and hearts - made by the 3D printers in MakerSpace (ECE 5: Making, Breaking & Hacking Stuff.) One high school student jammed on a guitar and impressed her peers using a pedal that rendered guitar audio effects (ECE 196: Project-in-a-Box)!
UC SAN DIEGO HOSTS 2017 ITA WORKSHOP

The annual ITA workshop took place this year at the Catamaran Resort from Sunday, February 12th through Friday, February 17th. UC San Diego invited ITA experts from UT Austin, Stanford, Microsoft, and Human Longevity Inc. The 500+ participants enjoyed technical talks on quantum computing, genomics & big data, machine learning to name a few. They also were able to partake in inspired conversations on interactive data exploration and algorithms in nature.

The ITA workshop also held a cooking competition, a kite flying demonstration, several networking events, sunset cruise and graduate poster demonstrations.

More information [here](#).

ECE DISTINGUISHED ALUMNI SERIES: AN ACCIDENTAL ENGINEER AND THE END OF UNDERGROUND NUCLEAR TESTING

Dr. Dan Chang shared his experiences of his earlier years at UC San Diego and how he became interested in electromagnetic theory. At Sandia National Laboratories, he used this background to evaluate the safety of nuclear weapons and contributed to US/USSR verification on restrictions on nuclear
nuclear testing and reduced nuclear stockpiles for the US and USSR.

WOMEN IN ECE SEMINAR SERIES

Graduate Women in ECE have planned a series of talks with successful engineers from industry to give some insights on how to pursue successful engineering careers. The first talk featured Catherine Noble at Raytheon on February 17th. Follow WECE here.

Research Highlights

New nano-implant could one day help restore sight

TowerJazz and UC San Diego Demonstrate Best in Class 5G Mobile Transmit-Receive Chips with Greater than 12 Gbps Data Rates

'Lossless' metamaterial could boost efficiency of lasers and other light-based devices

Engineers Developed Advanced Robotic Systems that will become Surgeon's Right Hand

Thin, Flexible, Light-Absorbent Material Could be Used in Energy and Stealth Applications

Sloan Research Fellow: Professor Siavash Mirarab

2016 UC San Diego Equal Opportunity/Affirmative Action & Diversity Award: Professor Pam Cosman

Student Awards

ECE PhD Student Receives 2017-19 Microsoft Fellowship: Bita Darvish

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Summer Research Internship Program

The ECE Department is very pleased to announce an exciting new Summer Research Internship Program (SRIP) for continuing ECE undergraduate and graduate students. This new program will launch in the winter of 2017 with independent study activities, and will culminate with 10 weeks of summer research.

ECE Summer Research Internships will be in labs where interns will have the opportunity to observe and participate in the research activities of a research group under the supervision of the PI or another member of the research team. The program includes an enrichment component for students consisting of workshops on research communication, research writing and other pertinent topics. In addition, undergraduate students are required to present their work at the Summer Research Conference on August 17, 2017.

Research interns selected for this program will receive a summer stipend in the amount of $5000.

Videos of Interest

ECE 5: MAKING, BREAKING & HACKING STUFF

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