

IEEE Systems Council Coastal Los Angeles Section Chapter 2019 Chapter Activity Report

Date: 1/2/2020

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Activity Summary

IEEE Distinguished Lecture Series and Seminars

- Taigon Song, “Tackling the End of Scaling in the 5G Era: 3-Dimensional Integrated Circuits and Gate-all-around FETs,” 1:00 – 2:00 pm, 8/9/2019, VEC 424, CSULB
- Dr. Shunqiao Sun, “The Advantages and Challenges of MIMO Radar for Autonomous Driving,” 12:30 – 1:30 pm, 3/29/2019, VEC 424, CSULB
- Dr. Ru Yang (visiting Prof. from China), “Chaotic Spread Spectrum Suppression of Conducted EMI Based on AC/DC,” 12:30 – 1:30pm, 3/22/2019, VEC 424, CSULB
- Dr. D. C. D. Chang, “Digital Beam Forming in K-space for Self-Driving Cars,” 12:30 – 1:30pm, 2/1/2019, VEC 424, CSULB

The 10th Annual IEEE Green Energy and Systems Conference was held on Oct. 28-30, 2018, the Pointe of Pyramid, CSULB.

Theme: *The application of data science in smart grid and smart systems, Internet of Things, Sustainable and Secured Systems, Optimized Power Grids with Battery, and Intelligent Transportation Systems.*

The campus news entitled “IEEE Green Energy and Smart Systems Conference Marks Its 10th Year at CSULB”: <http://web.csulb.edu/colleges/coe/news/?p=13338>

Keynote Speaker: Dr. Kung Yao (Professor, UCLA) – Innovations in Signals and Systems

Lunch Speakers: Dr. Jane Conoley (President, CSULB) – Toward greener and Cleaner Campus

Piero P. Bonissone (Piero P Bonissone Analytics, LLC) – Analytics for Industrial Internet Applications

Rosanne Liu, (Uber AI) – A Walk with Neural Networks: Interesting Behaviors in Training, Inference, Pruning, and Controlling

- 170 attendees, including international and local researchers, faculty, students, and professional engineers, participated.
- There were more than 17 professional papers presented in the Technical Session. A total of 36 papers were submitted (5 from international, 22 from USA, 9 from CSULB)

IGESSC 2019 Website: <https://site.ieee.org/clas-sysc/igessc-2019/>

Student Post Session and Competition (A total 5 papers submitted, 5 accepted, 5 presented)

- Christina Barga, “Assessment of Distributed PV Curtailment in Southern California,” won the 1st Place Award (\$250)

- Tran Nguyen and Abby Parker, “Density Functional Theory (DFT) Simulations of Carbon-Fluoride Cells”, won the 2nd Place Award (\$200),
- Wei Chieh Tseng, “Deep Learning Networks for Visual Question Answering,” won the 3rd Place Award (\$150),

Faculty, Students, and Engineers, from international, such as Canada, Austria, Singapore, China, South Africa, and domestic, such as Cal Poly Pomona, Caltech, UCLA, USC, University of Oviedo, UCI, etc., have been participating the paper presentation/publication and Students paper contest since 2010.

The lasting impact of these efforts on engineering education is very significant. Based on a survey of IGESC attendees conducted by the IEEE CSULB Student Branch, 93% of respondents agreed that the Conference had a positive impact on their career.

End of Year Party on 11/20/2019 at Long Beach.

All activities are co-sponsored by IEEE CSULB Student Branch

Call For Papers: IGESSC 2020

<http://sites.ieee.org/clas-sysc/call-for-papers/>

All past, present, and future activities of IEEE System Council Chapter at Website:

<http://sites.ieee.org/clas-sysc/>

*Thanks to all officers, volunteer helpers, and CSULB IEEE student branch for their help on Registration, posting flyers, emailing, etc., for each meeting.