

## IEEE Systems Council Coastal Los Angeles Section Chapter 2020 Chapter Activity Report

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### Activity Summary

#### IEEE Distinguished Lecture Series and Seminars

- Dr. D. C. D. Chang, “Multibeam VSAT (Very Small Aperture Terminal),” 1:00 – 2:00pm, 10/23/2020, Virtual, CSULB
- Dr. Zhensheng Zhang, “Cloud and Fog Computing, an Overview,” 1:00 – 2:00pm, 2/7/2020, VEC 424, CSULB
- Professor Joongheon Kim, “Federated Learning for Medial and Mobile Platforms: Motivation, Challenges, and Potential Solutions,” 1:00 – 2:00pm, 1/17/2020, VEC 424, CSULB

*\*Due to COVID-19 pandemic, the number of seminars is significantly reduced.*

The 11<sup>th</sup> Annual IEEE Green Energy and Systems Conference was held on Nov. 2-3, 2020, Virtual, 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, Transportation Systems, Smart Satellite and Aerospace Technology*

**Keynote Speaker:** Dr. [Vincenzo Piuri](#) (Professor, computer engineering at the Università degli Studi di Milano, Italy) – “Ambient intelligence for smart living.”

#### Highlights

- 150 attendees, including international and local researchers, faculty, students, and professional engineers, participated.
- There were 14 (smart systems) and 9 (power systems) professional papers presented in the Technical Session. A total of 41 papers were submitted, including two poster papers. 23 papers are accepted for presentation.
- Best paper Award in Power Systems: Wencheng Wu, et al, “*Generator Model Parameter Calibration Using Reinforcement Learning.*”
- Best paper Award in Smart Systems: Lucas A. Gutierrez, et al, “*Novel Approach of Spatial Modulation: Polarization-Aware OFDM Subcarrier Allocation.*”

**Website 2012 (for more detail):**

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

*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 in 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.*

**Call For Papers: IGESSC 2021**

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

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All activities are co-sponsored by IEEE CSULB Student Branch

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