

IEEE Systems Council Coastal Los Angeles Section Chapter 2021 Chapter Activity Report

Date: 1/2/2022

Prepared by Dr. Hen-Geul (Henry) Yeh, Chair, IEEE Systems Council Coastal Los Angeles Section (CLAS) Chapter

Activity Summary

IEEE Distinguished Lecture Series and Seminars

- Dr. Maryam Moussavi (moderator), Panelists (EE Alumni, Most are Recent Graduates): Natalie Arevalo, Brian Fox, Joshua Gagan, Jonathan Larcom, Darshit Makawana, Mikael Movsisyan, Steven Peterson, Matt Shellhammer “Why do I study Electrical Engineering at CSULB?” 4:00 pm – 6:00 pm, 8/27/2021 (Fri), Virtual, CSULB
- Dr. Labib M. Daloub (University of Gharian, Libya), “Conflict Damage & Re-Construction of Libyan Power System,” 11:15 am – 12:00 noon, 10/14/2021, Virtual, CSULB

The 12th Annual IEEE Green Energy and Systems Conference was held on Nov. 1-2, 2021, Virtual, CSULB.

Theme: Towards Smart systems, Sustainable, Secure Cyber-Physical Energy technologies.

Opening Remark

Dr. Jinny Rhee, Dean, College of Engineering, California State University, Long Beach (CSULB)

Keynote Speaker: Dr. Paul C. Hershey (Raytheon Technologies Company, USA)
Topic: *Application of Data Analytics to Assist Human Decision-Making*

Workshop Speakers:

1. Dr. Jolly Wong (Technology Consultant, Hong Kong)
Topic: *A Security-by-Design Approach to IoT Deployment in Power Sector*
2. Dr. Hsiao-Chun Wu (Professor, Louisiana State University, USA)
Topic: *Learning Dynamics by Smart Systems*
3. Mr. Kiel Pratt & Ben Wender (California Energy Commission, USA),
Topic: *“Clean Transportation Planning, Research, and Development at the California Energy Commission”*
4. Dr. Zhensheng Zhang (Technology Consultant, San Diego, USA)
Topic: *“Fog/Edge Computing, 5G overview and 6G Initiatives”*
5. Dr. Aycan Hacioglu (MathWorks, USA)
Topic: *“Deep Learning with MATLAB”*

There were 28 professional papers presented in the Technical Session. A total of 50 papers

were submitted.

Due to Pandemic, there is no Student Poster Paper submission.

Best Paper Awards

- Milad Sadat-Mohammadi, Javad Khazaei, and Somayeh Asadi (Penn State University, USA), “Uncertainty-Based Scheduling of Multi-Chiller System with Thermal Energy Storage Under Real-Time Prices,” won the Power Systems Award
- W. Zhang, X. Chen, D. Bhadani, P. Rex, Y. Yang, C. Lowe, and H.-G. Yeh (CSULB, USA), “Deep Learning for Shark Detection Tasks,” won the Smart Systems Award

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 being participated 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 IGESSC attendees conducted by the IEEE CSULB Student Branch, 93% of respondents agreed that the Conference had a positive impact on their career.

Celebration Party on 12/11/2021 at Long Beach.

All activities are co-sponsored by IEEE CSULB Student Branch

Call For Papers: IGESSC 2022

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

All past (2010 – 2021) IGESSC records are available at Website:

<https://site.ieee.org/clas-sysc/past-conferences/>

All past (2013 – 2021) IEEE Distinguished Lecture Series of IEEE CLAS System Council Chapter at Website:

<https://site.ieee.org/clas-sysc/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.