

IEEE Systems Council Coastal Los Angeles Section Chapter 2017 Chapter Activity Report

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Activity Summary

IEEE Distinguished Lecture Series and Seminars

- Dr. Vincenzo Piuri, “Advanced Biometric Technologies for Automated Border Control”, 5:30 – 7:00pm, 2/2/2017, VEC 424, CSULB
- Dr. B. Sklar, “Things We Ought to Know About Digital Communications, Part IV,” 12:00pm – 2:00pm, 3/23/2017, VEC 325, CSULB
- Dr. Ning Kong, “Multi-user (MU) MIMO, 12:00 – 2:00pm, 4/6/2017, VEC 325, CSULB
- Mr. Mark McDannel, “Renewable Energy From Biogas, and its Role in California’s Energy Market,” 4:00 – 6:30, 4/21/2017, ECS 317, CSULB
- Dr. B. Sklar, “Things We Ought to Know About Digital Communications, Part V,” 4:00pm – 6:30pm, 12/4/2017, VEC 501, CSULB

The 8th Annual IEEE Green Energy and Systems Conference was held on Nov. 6-7, 2016, the Pointe of Pyramid, CSULB.

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

- Keynote Speaker: Mr. Douglas J. Malewicki, Founder and Chief Visionary of SkyTran, Inc. Title: SkyTran – Fast, Green transit for Smart cities
- Luncheon Speaker: Dr. Thomas M. Coughlin, Coughlin Associates, Inc., Title: The Memory of Cars
- 170 attendees, including international and local researchers, faculty, students, and professional engineers, participated.
- There were 19 professional papers presented in the Technical Session. A total of 33 full papers were submitted (10 from international, 23 from USA, 6 from CSULB)

Website 2017 (for more detail):

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

Student Post Session and Competition (A total 10 papers submitted, 5 accepted, 5 presented)

- Dejuante Walker, Tamunotelema Higgwe, and Eric Nguyen, “Investigation of Sulfur Polyacrylonitrile as a Cathode for Rechargeable Batteries” won the 1st Place Award (\$175)
- Anthony Reyes, Brandan Asamoto, Brandon Trinh, Charlie Norng, Authors: Edward Thai, and Huong Nguyen, “Study of Oxidizing Graphene Oxide Alternatives for Li/S Batteries, won the 2nd Place Award (\$150),

- Quang Ly, “Density Functional Theory (DFT) Study of Armchair Edge on Graphene Catalyst,” won the 2nd Place Award (\$150),
- Nicholas Humphrey, Robert Rodriguez, and Gabriel Arias, “Understanding Edge-Halogenated Graphene as an ORR Catalyst with Quantum Mechanical Simulations,” won the 3rd Place Award (\$125)
- Nicholas Humphrey, Brian Novoua, Gabriel Arias, and William Goddard, “DFT Simulation of Nitrogen-Doped Graphene as an ORR Catalyst in Fuel Cells,” won the 4th Place Award (\$100)

Faculty, Students, and Engineers, from international, such as Canada, Singapore, Taiwan, 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 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 2018

<http://sites.ieee.org/clas-sysc/call-for-papers-2018/>

End of Year Party on 11/29/2017 at Cesar’s Bistro, Long Beach.

All activities are co-sponsored by IEEE CSULB Student Branch

*Thanks to all officers, volunteer helpers, and IEEE students for their help on posting flyers and bring food for each meeting.