

# UNDERGRADUATE RESEARCH IN CIRCUITS AND SYSTEMS: TOPICS AND OPPORTUNITIES

## PRESENTED BY:

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Thursday, September 22, 2020 via WebEx  
8:00 a.m. - 9:15 a.m. Presentation  
9:15 a.m. - 9:30 a.m. Q&A

This talk highlights multiple research opportunities in the general area of Circuit and Systems with emphasis in Electronics where the presenter carries out research at Texas A&M University. The talk objectives are (1) Provide a clear path for undergraduate students to do competitive research in circuits and systems, (2) Highlight examples of research competition worldwide, (3) Review core concepts in Circuits and Systems with emphasis in Electronics. The main objective is to stimulate the undergraduate students to get involved in research by showing successful examples and discussing research areas where there are big needs for innovation.

*Sebastian Hoyos received the B.S. degree in electrical engineering from Pontificia Universidad Javeriana (PUJ), Bogota, Colombia, in 2000, and the M.S. and Ph.D. degrees in electrical engineering from the University of Delaware, Newark, in 2002 and 2004, respectively. He was with Lucent Technologies Inc., Bogota, Colombia, from 1999 to 2000 for the Andean region in South America. Simultaneously, he was a lecturer with PUJ, where he lectured on microelectronics and control theory. During his M.S. and Ph.D. studies, he was with PMC-Sierra Inc., the Delaware Research Partnership Program, and the Army Research Laboratory Collaborative Technology Alliance in Communications and Networks. He was a Postdoctoral Researcher (2004-2006) with the Berkeley Wireless Research Center, Department of Electrical Engineering and Computer Sciences, University of California, Berkeley. He joined Texas A&M University, College Station, TX in 2006 where he is currently an Associate Professor with the Department of Electrical and Computer Engineering. His research interests include telecommunication systems, digital signal processing, and analog and mixed-signal processing and circuit design.*



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### MEETING INFORMATION

Meeting Link: [Click Here](#)  
WebEx Meeting Number:  
133 933 4008  
Password: ResearchDrHoyos



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### QUESTIONS? PLEASE CONTACT

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