

Department of Electrical and Computer Engineering  
University of South Alabama  
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Ph. D. (2006)

Electrical & Computer Engineering, The University of Texas at Austin  
The Institute for Fusion Studies / Department of Electrical and Computer Engineering  
Research Specialization, Space Physics

Supervisors, 2 profs, 3 grad students, 2 grad research assistants, 7 ECE5

M.S. (2000)

Electrical & Computer Engineering, The University of Texas at Austin  
Department of Electrical and Computer Engineering  
Research Specialization, Electromagnetics and Acoustics

Supervisor, 2 profs, 6 grad students, 7 ECE5

B.S. (1998)

Electrical and Electronics Engineering, University of Leicester (UK)

PE, EE, ECE

August 2018 - present

University of South Alabama, Dept. of Electrical and Computer Engineering!

Courses, Electromagnetics - and Feedback Control at the junior level! Stochastic Processes at the graduate level! : analog electronics at the graduate level! Electrical Circuits at Sophomore level!

Research, 6 electromagnetic Storage and Subsystems! 0 audio frequency 2las a - pedance 2robes for Space 2las as! Computational Electromagnetics! 2article in Cell Codes!

July 2018 - July 2017

University of South Alabama, Dept. of Electrical and Computer Engineering!

Courses, Electromagnetics - and -- at the junior level! Stochastic Processes at the graduate level! : analog electronics at the graduate level! Electrical Circuits at Sophomore level!

Research, 6 electromagnetic Storage and Subsystems! 0 audio frequency 2las a - pedance 2robes for Space 2las as!



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Designed and developed analog circuits for battery chargers and hands free car kits used with cellular phones!

Developed 0 . trans mitter receiver circuits for an automobile alarm system !

Designed security and surveillance systems for condominiums and office buildings!

Designed professional lighting systems for luxury hotels and recreational establishments!

- ple nted security and surveillance systems for condominiums and office buildings!

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- > + , S! 2atra, 3! "orton, +he Dynamics of Geomagnetic Storms and Substorms with the 3-D Model, presented at AGU Meeting (01)!
- > + , Magnetospheric Trigger Conditions During Isolated, Storm Time and Periodic Substorms, CFS2A0 Scientific Assembly, Mysore, India, July (01)!
- > + , +! Andriyas, ! So7a, %!B! %ays, Dst Prediction from C-0 Events During 2000\$ Using Synthesized Signals Derived from SF 6 and ACE Observations, AGU Meeting (01)!
- > > + , S! 2atra, 3! "orton, Development of a Dynamical Magnetosphere Model by Coupling the 3-D Plasma Physics Model to an Analytical Magnetospheric Field Configuration, Invited, AGU Meeting of the Americas, Era1il (010)!
- > + , 2! 3heeler, S! Daveri, +! Andriyas, E! Eeardall, Acoustic Coupling between Drifted Cylinders, Acoustical Society of America Meeting, Salt Lake City, June (00K)!

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- > + , S! Ouss, 0! 6ollapalli, E! Derrigan, ! %ullins, D! Beggett, D! Clar7, ! %i1ell, D! Hassiliadis, 6! Bus7, %easurement of the Ionospheric Critical Frequency of the Ordinary Wave and the Critical Frequency of the Extraordinary Wave, 20ster, AGU Meeting (015)!
- D! Hassiliadis, ! Christian, A! Deese, > + , ! 6ross, 6! Bus7, Bridging Space Science to the Undergraduate Classroom : ASA's US-2 Mission, 20ster, AGU Meeting (015)!
- > + 9 Development of a Time Domain Radio Frequency Plasma Pedance Probe for Measurement of Absolute Electron Density and Electron Neutral Collision Frequency, 20ster, AGU Meeting (01)#!
- > + , S! 2atra, 2las a - pedance Probe, Simulations and Comparison to Sounding Rocket Mission Data, AGU Meeting (01)#!
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