Sidney L Schofield
Instrumentation Program Coordinator
3008 NW 67th PL Gainesville FL 32653
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Education:

1986 MS Electrical Engineering, University of Florida
1978 BS Electrical Engineering, University of Florida

Professional Experience:

2010-present Instrumentation Program Coordinator Astronomy Dept at the University of Florida. Manage engineering team for the instrumentation service center in the Astronomy department. Coordinate efforts of all team members across all their engineering disciplines to insure full system integration. Participated in the system engineering of TOU, FIRST LI-JET, MIRADAS and Canari-Cam upgrade.
EE system design: control systems, DAS , remote sensing
PC-board design and fabrication.

1986-2010 Associate-in-Engineering Civil and Coastal Engineering Dept at the University of Florida. Instrumentation design, Director Coastal Engineering Laboratory. Design construct and repair instruments for coastal and near shore research. Electronic instrumentation design and simulation using CAD. Project manager and system engineer for laboratory and field projects. Design of remote sensing LIDAR and photometry systems for NCALM. Instrumentation testing verification and certification. GEO mapping. Airborne Laser Mapping.
1980-1986 Assistant-in-Engineering Coastal Engineering Department at the University of Florida. Electronic and mechanical instrumentation design for laboratory and field experiments. Hardware/software design for real time instrumentation data acquisition systems. , coastal processes.
1978-1980 Scientific Programmer, Coastal and Oceanographic Engineering Department, College of Engineering, Univ of FL. Real time data acquisition data system programming. Data reduction and analysis.
1979-1980 Consultant; Gainesville Police Department- Program design and upkeep for City of Gainesville computer aided dispatch system (GLADYS). Consultant for computer dispatch and IT department.

Awards Publications Patents

US Pat 6533502 Wireless apparatus and method for analysis of piles Rotational Erosion Testing Apparatus (RETA)

Sheng, Y.P.,X.-J. Chen, and S. Schofield, "Hydrodynamic vs. Non-Hydrodynamic Influences on Phosphorous Dynamics During Episodic Events," Proceedings of the International Union on Theoretical and Applied Mechanics Symposium on Physical Limnology, Broome, Australia, 1995.

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The Rotating Erosion Testing Apparatus (Reta): a Laboratory Device for Measuring Erosion Rates Versus Shear Stresses of Rock and Cohesive Materials, Geotechnical Testing Journal , Vol 35 pp 641-648 July 2012