



**PRAIRIE VIEW  
A&M UNIVERSITY**

# Curriculum Vitae

<b>Faculty Name:</b>	Shield Lin		<b>Work Address:</b>	P.O. Box 519; MS 2525 Prairie View, TX 77446
<b>Position Title:</b>	Professor in Mechanical Engineering, Roy G. Perry College of Engineering			
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<b>Education:</b>	<b>Degree and Area of Study</b>	<b>Institution Name</b>	<b>Degree Date</b>	
	Ph.D. in Mechanical Engineering	Texas A&M University, College Sta	1986	
	M.S. in Mechanical Engineering	Texas A&M University, Kingsville	1981	
	B.S. in Mechanical Engineering	Chung-Hsing University, Taiwan	1975	
<b>Teaching Experience</b>	<b>Position Title</b>	<b>Institution Name</b>	<b>Position Dates (Beginning and End)</b>	
	Professor	Prairie View A&M University	1996 - Present	
	Associate Professor	Prairie View A&M University	1991 - 1996	
	Assistant Professor	Prairie View A&M University	1986 - 1991	
	Teaching/Research Assistant	Texas A&M University	1982 - 1986	
<b>Selected Publications:</b>	- Z.O. Williams, S.B. Lin, F.N. Matari, and L.J. Quiocho, "Coding Structures for Seated Row Simulation of an Active Controlled Vibration Isolation and Stabilization System for Astronaut's Exercise Platform," International Journal of Mechanical and Mechatronics Engineering, Vol. 17, No.5, pp.202-210, 2023.			
	- Z.O. Williams, S.B. Lin, F.N. Matari, and L.J. Quiocho, "Simulation for Squat Exercise of an Active Controlled Vibration Isolation and Stabilization System for Astronaut's Exercise Platform," International Journal of Aerospace and Mechanical Engineering, Vol. 16, No.10, pp.265-471, 2022.			
	- S.B. Lin, and Z.O. Williams, "Simulation with Uncertainties of Active Controlled Vibration Isolation System for Astronaut's Exercise Platform," International Journal of Mechanical and Mechatronics Engineering, Vol. 15, No.11, pp.471-478, 2021.			
	- S. Lin and S. Abdali, "Simulation of Active Controlled Vibration Isolation System for Astronaut's Exercise Platform," International Journal of Mechanical and Mechatronics Engineering, Vol. 15, No.2, pp.107-112, 2021.			
	- S. Lin and S. Wang, "Robust Control Design for Two-Link Nonlinear Robotic System" a chapter in the book "Advances in Robot Manipulators", ISBN 978-953-307-070-4, INTECH, Vienna, Austria, published April 2010.			
<b>Additional Trainings/Skills:</b>	Contractual work in dynamic systems and controls for NASA Johnson Space Center funded through CACI International Inc. and L-3 Communications.			
	Contractual work in finite element analysis and design for General Motors funded through Propane Promotion Consortium Inc.			
	Engineering design, analysis, and production for polymer mixing machines, rubber products, and overhead projectors.			
	Trainings in multi-physics software simulation using ANSYS Workbench finite element program in structure, mechanical vibration, heat transfer, fluid flow, and failure analysis.			
	Trainings in MATLAB/Simulink for modeling and simulation of dynamic systems and controls in solving engineering problems.			
	Trainings in Trick Simulation Toolkit, a NASA and L-3 Communications developed program, for creating high fidelity simulation using C/C++.			
	Trainings in active learning and implementing active learning strategies in teaching engineering courses.			