

YONGFENG FENG

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OBJECTIVE

- Completing PhD studies in Electrical Engineering Department.
- Focusing on behavioral modeling of electric circuits or systems.

EDUCATION

2001 to present	University of Arkansas	Fayetteville, Arkansas
	<ul style="list-style-type: none">• PhD student, currently earned 27 credit hours, GPA: 3.875• Research behavioral modeling of electrical circuits or systems. Behavioral modeling consists of approaches that characterize the behavioral of a circuit or a system, so that the simulation on the system level can be feasible.	
	Relevant Courses: Semiconductor Devices I.C. Design Lab 1 Mixed-Signal Modeling & Simulation Special Problem on Table Based Modeling	Introduction to I.C. Design I.C. Design Lab 2 Artificial Neural Network Wavelet Analysis
1990 to 1993	University of Electrical S&T	ChengDu, Sichuan, P.R.C
	<ul style="list-style-type: none">• MS. In circuit and System, University of Electrical S&T, Chengdu, Sichuan, P.R.C.• Thesis for graduate is about Data Sampling of Pictures, We designed a Frame memory to store the sampling data so that the DSP techniques can be used for image manipulation.	
1980 to 1984	Southwest Jiaotong University	Chengdu, Sichuan, P.R.C
	<ul style="list-style-type: none">• BSci. In Electrical Engineering and Computer Science.• Thesis for graduate is about Traction Motor Design. We followed the national standard to calculate the parameters of the traction motor; finally we give out the specification of Traction motor.	

EXPERIENCE

June 2001 to present	University of Arkansas Dept. of Electrical Engineering H. Alan Mantooth, Ph.D., P.E.	Fayetteville, Arkansas
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GRADUATE RESEARCHER

- Enhance & Automate DAE modeling procedure
One of the significant steps in DAE modeling procedure is the extraction of static characteristics from original circuits calculating capacitances for model. My research is focused on automating the procedure and optimizing the methods we used for extracting static characteristics.

- Extension of DAE modeling procedure
Optimizing the DAE modeling approach, combining other modeling methods in it. Such as DDD, Control system signal flow analysis, nonlinear behavior analysis, and so on. So that the DAE modeling approach can be more robust, more generalized and parameters controllable.

**May 1993
to May 2001**

**WUYI University
Depts. of Electrical Engineering**

**Jianmen, Guangdong
P.R.China**

**ASSISTANT PROFESSOR & DIRECTOR OF ELECTRIC CIRCUITS LAB
MEMBER OF AVIATION ASSOCIATION OF CHINA**

- The teaching areas involved Theory of Circuit, General of Analog Circuits, General of Digital Circuits, and Digital System Design;
- Managing the electric circuits lab;
- Designing and manufacturing some printed circuits board for experiments.

**August 1984 to
September 1990**

Baoji Railway Technical College

**Baoji, Shanxi
P.R.China**

LECTURER

- The teaching areas involved Principle of circuits, General of Motor and Wiring Devices of Locomotive;
- Building a simulating Lab of a locomotive.

COMPUTER SKILLS:

- Python, Matlab, Protel, Saber, Pspice, Max-plus, VHDL, Basic, C

HONORS & PUBLICATIONS

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- FENG, Y. (1988) WIRING DEVICES OF LOCOMOTIVE (A TEXT BOOK FOR COLLEGE STUDENTS). PUBLISHED BY XIAN PRESS
 - FENG, Y. (1995) THE ACTIVE FILTERS OF CAD. J. WUHAN UNIVERSITY. 100(1) 12-18.
 - Feng, Y (1996) Design of a circuit with multichannel and controllable gain. J. Wuyi University. 23(3)388-393.
 - FENG, Y. (1997) THE IDEA OF TEACHING REFORM ABOUT EDA COURSE ON HIGHER EDUCATION RESEARCH, ...
 - FENG, Y (1998) THE RESEARCH OF CIRCUIT EXPERIMENTS ON HIGH EDUCATION RESEARCH, ...

INTERESTS

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- Analog I.C. Design
 - Digital System Design

References are available upon request