

KuiHao Chen

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Education	Hebei University of Technology (Project 211)	Tianjin, CN
	M.S. Electrical Engineering	2018.9-2023.1 GPA 3.55/4
	B.S. Electrical Engineering	2013.9-2017.6 GPA 3.25/4
Relevant Courses	Technique of Power Electronics, Control of Motor, Power Semiconductor Device, Motor Transient and Simulation, PWM Modulation, PLC, DSP, C++, Visio, Altium Designer, Matlab/Simulink/Programming, PSpice, Multisim, Maple	
Honors	<ul style="list-style-type: none">• Awarded the Scholarship for three consecutive years (2014-2016/2020)• Be awarded in the English competition• Be awarded in the mathematical modeling contest	
Publication	[1] Kuihao Chen, Xiu Liu, “Loss of three phase inverter based on SiC MOSFET considering parasitic inductance.”[J] Power Electronics, 57(02),pp129-132+136, 2023 [2] Kuihao Chen, Xiu Liu, “The loss calculation of three phase inverter on SiC MOSFET considering parasitic inductance and capacitance.”[J].Journal of Power Supply, pp1-14, 2024	

Program	The National Natural Science Foundation of China. No. 52077055.2020-2023		
	<ul style="list-style-type: none">• Participate in design of the two-level dual inverter drivers for PMSM. (Matlab)• Independently complete the design of three-phase full bridge inverters based on SiC MOSFET. (AD,STM32)• Observe the characteristic of SiC devices by simulation. (Multisim/PSpice)• Calculate the loss of three-phase inverter. (Maple, Power analyzer)• Reduce inverter losses by variable the switching frequency. (Simulink)		

Work	• Vocational skills public training center in Tianjin	2016.10-2016.11	trainee
Experience	• Tianjin LG Electronics Technology	2017.1-2017.3	trainee
Or Internship	• Haiheng mould limited company	2020.1-2020.8	trainee
	• Prepare for the phd and help the family with business	2023.2-now	freelancer
Skills	<ul style="list-style-type: none">• Deep understanding of the characteristic of power electronics• Mastery of motor control-related theories• Familiar with C++, STM32• Skilled in photography ,editing videos, organizing annual meeting activities• Language: Mandarin(native), English(fluent)		
Self	<ul style="list-style-type: none">• Interested in control of motor, design automation of robotics		
Introduction	<ul style="list-style-type: none">• A proactive individual with strong communication skills• Possessing a robust self-learning ability and problem-solving ability• Highly resilient under pressure• Strong self-discipline and responsibility(detailed work plan)		