


# Curriculum Vitae

<b>Personal Information</b>	<b>Name</b>	Binqiang Si	<b>Gender</b>	Male	
	<b>Academic Title</b>	Associate Professor			
	<b>College</b>	School of Instrumentation Science and Opto-electronics Engineering Beijing Information Science & Technology University			
	<b>Discipline</b>	Instrument Science and Technology			
	<b>Email</b>	sibinqiang09@tsinghua.org.cn			
	<b>Mail Add.</b>	NO.12 xiaoying East Road, Qinghe, Haidian District, Beijing, 100192, China			
<b>Educational Background</b>	Tsinghua University, Beijing, China 2009.9-2014.1, Ph. D in Computer Science and Technology				
<b>Working Experience</b>	<ol style="list-style-type: none"> <li>1. Beijing Information Science &amp; Technology University, Beijing, 2017.11-Present</li> <li>2. Beijing Research Institute of Precise Mechatronics and Controls, Beijing, 2016.1-2017.10</li> <li>3. Beihang University &amp; Beijing Research Institute of Precise Mechatronics and Controls, Beijing, 2014.4- 2016.1, Postdoctoral fellow in Mechanical Engineering</li> </ol>				
<b>Research Interests</b>	<ol style="list-style-type: none"> <li>1. Brushless and multiphase permanent magnet synchronous motor design</li> <li>2. Fault-tolerant strategies and control for motor drive system</li> </ol>				
<b>Major Publications*</b>	<ol style="list-style-type: none"> <li>1. <b>Binqiang Si</b>, Qiang Fu, Tao Wang, Congzhe Gao, Jihong Zhu. Twofold Fail-Work Remedy for Reconfigurable Driver and Windings of 4-Phase Permanent Magnet Fault Tolerant Motor System, <i>IEEE Transactions on Power Electronics</i>, vol.34, no.8, 2019:7763-7774.</li> <li>2. <b>Si Binqiang</b>. Research on Reconfigurable and Fault-Tolerant Motor System, <i>Science Press</i>, 2019.3, ISBN 978-7-03-060092-9</li> <li>3. <b>Si Binqiang</b>, Zhu Jihong, Wang Tao. A Reconfigurable Drive Topology for Fault Tolerance. <i>21st AIAA International Space Planes and Hypersonics Technologies Conference</i>, 6-9 March 2017, Xiamen, China.</li> </ol>				
<b>Research Projects*</b>	Motor driver design and development, 2019.9-2020.3				

<p><b>Professional Membership</b></p>	<p>1. China High-Tech Industrialization Association, Senior Member</p> <p>2. Intelligent Information Processing Industrialization Branch of China High-Tech Industrialization Association, Senior Member, Member of a Council</p>
<p><b>Potential Research Projects**</b></p>	<p>High reliability brushless and multiphase permanent magnet synchronous motor system design</p>

\* Please list achievements of recent 5 years

\*\* This CV is intended to match Chinese and Polish Scientists within SPUC member universities, and Potential Research Projects is intended to apply for Sino-Polish or EU scientific cooperation projects.