

## Associate Professor ZHANG Shanwen

College	College of Mechanical Engineering
Current Position	Associate Professor
Types of Tutor	Master Tutor
Language	Chinese/English
Education	<b>2011/6-2014/6</b> University of Chinese Academy of Sciences, Electric physical device design, PHD. <b>2008/9-2011/6</b> Yangzhou University, Mechanical Design and Theory, Master degree. <b>2004/9-2008/6</b> Hunan University of Technology, Mechanical Design, Manufacturing and Automation, Bachelor degree.
Research Interests	Mechanical design, Agricultural machinery design, Welding, CAE simulation
Selected Publications	<ol style="list-style-type: none"><li>1. Zhang Shanwen, et al. Design and Thermal Analysis of the Large Fire Door for AP1000 Nuclear Reactor. Journal of Thermal Science, 2019, published online.</li><li>2. Zhang Shanwen, et al. Design and Structural Analysis of the Sun Ray Double Axis Tracking Device. Journal of Solar Energy Engineering, 2019, 141: 041001.</li><li>3. Zhang Shanwen, et al. Structural Analysis of Wendelstein 7-X Nonplanar Coil Type 1 in Self-Field Test Conditions. Fusion Science and Technology, 2018, 73(1): 43-49.</li><li>4. Zhang Shanwen, et al. Structural analysis for the joint of the ITER ELM coil. Fusion Engineering &amp; Design, 2017, 114:47-51.</li><li>5. Zhang Shanwen, Song Yuntao, Lu Kun, et al. Thermal analysis of the cryostat feed through for the ITER Tokamak TF feeder. Plasma Science &amp; Technology, 2017, 19(4): 045601.</li></ol>

	<p>6. Zhang Shanwen, et al. Electromagnetic–thermal–structural coupling analysis of the ITER edge localized mode coil with flexible supports. <i>Plasma Science &amp; Technology</i>, 2017, 19(5): 055601.</p> <p>7. Zhang Shanwen, et al. Design and Seismic Analysis of the Large Biological Shielding Door in Nuclear/Fusion Reactor. <i>Journal of Fusion Energy</i>, 2017, 36(2-3):58-65.</p> <p>8. Zhang Shanwen, et al. Design of Tokamak ELM Coil Support in High Nuclear Heat Environment, <i>Plasma Science &amp; Technology</i>, 2014, 16(3): 300-304.</p> <p>9. Zhang Shanwen, et al. Design Study of Support for ITER ELM Coils, <i>Journal of Fusion Energy</i>, 2014, 33(3): 252-257.</p> <p>10. Zhang Shanwen, et al. Mechanical Analysis and Optimization of ITER Upper ELM Coil &amp; Feeder, <i>Plasma Science &amp; Technology</i>, 2014, 16(8): 794-799.</p> <p>11. Zhang Shanwen, et al. Mechanical Analysis for ITER Lower CC Feeder, <i>Journal of Fusion Energy</i>, 2014, 33(4): 366-372.</p> <p>12. Zhang Shanwen, et al., Mechanical analysis for ITER upper ELM coil, 2013 IEEE 25th Symposium on Fusion Engineering (SOFE), San Francisco, IEEE, 2013.</p> <p>13. Zhang Shanwen, et al. Multiaxial fatigue analysis for IMIC of ITER upper ELM coil, <i>Fusion Engineering and Design</i>, 2014, 89(4): 385-391.</p> <p>14. Zhang Shanwen, et al. Rapid Thermal-Hydraulic Analysis and Design Optimization of ITER Upper ELM Coils, <i>Plasma Science &amp; Technology</i>, 2014, 16(10): 978-983.</p> <p>15. Zhang Shanwen, et al. Structural analysis and</p>
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	<p>optimization for ITER upper ELM coil, Fusion Engineering and Design, 2014, 89(1): 1-5.</p> <p>16. Zhang Shanwen, et al. Structural and Fracture Mechanics Analysis for the Bracket of ITER Upper ELM Coil, Journal of Fusion Energy, 2014, 33(3): 304-308.</p>
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