

# Curriculum Vitae

<b>Personal Information</b>	<b>Name</b>	Xiaoqing Jiang	<b>Gender</b>	Female	
	<b>Academic Title</b>	Assistant Research Fellow			
	<b>College</b>	School of Materials and Manufacturing			
	<b>Discipline</b>	Mechanical Engineering			
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<b>Educational Background</b>	2008/10-2012/05: PhD, Department of Materials Science and Engineering, School of Engineering, the University of Sheffield, UK 2006/09-2008/12: Master's degree, Materials Processing Engineering, Wuhan University of Technology 2004/04-2006/06: Bachelor' degree, International Economy and Trade, Wuhan University of Technology 2002/09-2006/06: Bachelor' degree, Material Forming and Control Engineering, Wuhan University of Technology				
<b>Working Experience</b>	2017/01-present: Assistant Research Fellow, Master's supervisor, College of Mechanical Engineering and Applied Electronic Technology, Beijing University of Technology 2014/04-2016/12: Assistant Research Fellow, College of Mechanical Engineering and Applied Electronic Technology, Beijing University of Technology 2013/04-2014/03: Postdoctoral, College of Mechanical Engineering and Applied Electronic Technology, Beijing University of Technology 2012/06-2012/12: Postdoctoral, Department of Materials Science and Engineering, School of Engineering, the University of Sheffield, UK				
<b>Research Interests</b>	Her research interests focus mainly on numerical modeling and control of microstructure and mechanical performance for the similar and dissimilar metals joints by friction stir welding, plasma arc welding, resistance spot welding and magnetic pulse welding..				
<b>Major Publications*</b>	<ul style="list-style-type: none"> <li>[1] X. Jiang, Y. Han, S. Chen*, et al. Microstructure and texture investigation on electrically assisted friction stir welded titanium alloy. <i>Materials science and technology</i>, 2020, 36(15): 1628-1638.</li> <li>[2] Y. Han, X. Jiang, T. Yuan*, et al. Microstructural evolution and mechanical properties of friction stir welded Butt Joints of 5A06 Alloy Ultra-Thin Sheets. <i>Materials</i>, 2019, 12(23): 3906.</li> <li>[3] S. Chen, H. Zhang, X. Jiang*, Mechanical properties of electric assisted friction stir welded 2219 Aluminum Alloy. <i>Journal of Manufacturing Processes</i>, 2019, 44: 197-206.</li> <li>[4] Y. Han, X. Jiang, S. Chen*, et al. Microstructure and mechanical properties of electrically assisted friction stir welded AZ31B alloy joints. <i>Journal of Manufacturing Processes</i>, 2019, 43: 26-34.</li> <li>[5] X. Jiang, S. Chen*, J. Gong, et al. Effect of Microstructure and Texture on Mechanical Properties of Resistance Spot Welded High Strength Steel 22MnB5 and 5A06 Aluminium Alloy. <i>Metals</i>, 2019, 9(6): 685.</li> <li>[6] S. Chen, X. Li, X. Jiang*. The effect of microstructure on the mechanical properties of friction stir welded 5A06 Al Alloy, <i>Materials Science and Engineering: A</i>, 2018, 735: 382-393.</li> <li>[7] X. Jiang, S. Chen*. Texture evolution and plastic deformation mechanism in magnetic pulse welding of dissimilar Al and Mg alloys, <i>Welding in the World</i>, 2018, 1: 1-13.</li> <li>[8] X. Jiang, S. Chen*, J. Gong. Effect of non-axisymmetric arc on microstructure, texture and properties of variable polarity plasma arc welded 5A06 Al alloy. <i>Materials Characterization</i>, 2018, 139: 70-80.</li> <li>[9] X. Jiang*, B.P. Wynne, J. Martin. Variant selection in stationary shoulder friction stir welded Ti-6Al-4V alloy. <i>Journal of Materials Science &amp; Technology</i>, 2018, 34(1): 198-208.</li> <li>[10] X. Jiang*, B.P. Wynne, J. Martin. Microstructure and texture evolution of stationary shoulder friction stir welded Ti6Al4V alloy, <i>Science and Technology, Welding and Joining</i>, 2015, 20 (7): 594-600.</li> <li>[11] S. Chen, X. Jiang*. Microstructure evolution during magnetic pulse welding of dissimilar aluminium and magnesium alloys, <i>Journal of Manufacturing Processes</i>, 2015, 19: 14-21.</li> </ul>				
<b>Research Projects*</b>	<p>She has presided one NSFC Youth Science Foundation and one National key R &amp; D plan, has participated in a number of NSFC General Programs.</p> <ol style="list-style-type: none"> <li>1. Research on texture control of friction stir welding joint of titanium alloy static shoulder assisted by pulse current, NSFC project, 2017/01-2019/12.</li> <li>2. Development and data mining optimization of friction stir welding process system for thin-walled curved panel, national key R &amp; D plan, 2019/06-2022/05.</li> <li>3. Participated in NSFC General Program, Flow mechanism of the welding pool solidification and stability control of variable position welding during plasma arc perforation process (51875004).</li> <li>4. Participated in NSFC General Program, Interface behavior and bonding mechanism of magnetic pulse welding of high-difference dissimilar metal materials (51575012).</li> </ol>				

	5. Participated in NSFC General Program, Resistance heating and deposition of the wire driven by surface tension in vacuum microgravity (51475009). 6. Participated in NSFC General Program, Stability control of the welding pool at all position during split plasma arc keyhole welding of aluminum alloy (51375021).
<b>Professional Membership</b>	Member of the Youth Committee of the society of Mechanical Engineering
<b>Potential Research Projects**</b>	Microstructure-properties, Modeling and Machine learning for friction stir welding, plasma arc welding, resistance spot welding and magnetic pulse welding.

\* 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.