

	Name	Xinjun Shen
	Position	Associate professor
	Supervisor	Master supervisor
	Institution	Department of Metal Materials Engineering
	Postal address	Soochow University Yangcheng Lake Campus, 2th teaching building, A403
	Telephone	17642048170
	E-mail	xjshen88@suda.edu.cn
Learning/working experience	<p>① 2020.09-Now Soochow University, Shagang School of Iron and Steel, Associate professor</p> <p>② 2017.08-2020.08 Northeastern University, Materials Science and Engineering, Postdoctor</p> <p>③ 2013.09-2017.07 Northeastern University, Materials Processing Engineering, Doctor</p> <p>④ 2011.09-2013.07 Northeastern University, Materials Processing Engineering, Master</p> <p>⑤ 2007.09-2011.06 Anhui University of Technology, Material Forming and Control Engineering, Bachelor</p>	
Academic/social work	Reviewer of Steel Research International	
Research area	<p>① Advanced steel materials and their laser or laser-arc hybrid welding</p> <p>② Additive manufacturing and their laser or laser-arc hybrid welding</p>	
Primary course	Plastic processing technology	
Scientific research	<p>My research focuses on toughening mechanism and microstructure control of steel materials and their welded joints. Now, my investigation also concerns additive manufacturing. About four projects have been undertaken, including the National Natural Science Foundation of China for Youth and the National Postdoctoral Program for Innovative Talents. As the first author, I have published 13 papers (8 SCI papers and 4 EI papers) and 2 authorized invention patents.</p>	
Representative projects		
<p>① National Natural Science Foundation of China for Youth (51904072), 2020-2023, host.</p> <p>② National Postdoctoral Program for Innovative Talents (BX201700301), 2017-2019, host.</p> <p>③ China Postdoctoral Science Foundation (2018M631803), 2017-2019, host.</p> <p>④ Fundamental Researcher Funds for the Central Universities (N170703009), 2017-2019, host.</p>		
Representative papers		
<p>① Xinjun Shen*, Dezhi Li, Jun Chen, Shuai Tang, Guodong Wang. Microstructure evolution of ferrite during intercritical deformation of low carbon microalloyed steels. <i>Materials Science and Technology</i>, 2020, 36(2): 150-159.</p> <p>② Xinjun Shen*, Dezhi Li, Shuai Tang*, Jun Chen, Haixing Fang, Guodong Wang. Delamination toughening in a low carbon microalloyed steel plate rolled in the dual-phase</p>		

region. *Materials Science and Engineering A*, 2019, 766: 138342.

- ③ **Xinjun Shen***, Dezhi Li, Jun Chen, Shuai Tang*, Guodong Wang. Effect of initial microstructure on microstructure evolution and mechanical properties of intercritically rolled low-carbon microalloyed steel plates. *Steel Research International*, 2019, 90(11): 1900237.
- ④ **Xinjun Shen**, Shuai Tang*, Yongjiang Wu, Xiaolong Yang, Jun Chen, Zhenyu Liu, R.D.K. Misra, Guodong Wang. Evolution of microstructure and crystallographic texture of microalloyed steel during warm rolling in dual phase region and their influence on mechanical properties. *Material Science and Engineering A*, 2017, 685: 194-204.
- ⑤ **Xinjun Shen**, Shuai Tang*, Jun Chen, Zhenyu Liu, R.D.K. Misra, Guodong Wang. Grain refinement in surface layers through deformation-induced ferrite transformation in microalloyed steel plate. *Materials & Design*, 2017, 113: 137-141.
- ⑥ **Xinjun Shen**, Shuai Tang*, Jun Chen, Zhenyu Liu, R.D.K. Misra, Guodong Wang. The effect of warm deforming and reversal austenization on the microstructure and mechanical properties of a microalloyed steel. *Material Science and Engineering A*, 2016, 671: 182-189.
- ⑦ **Xinjun Shen**, Shuai Tang*, Jun Chen, Zhenyu Liu, Guodong Wang. Improving toughness of heavy steel plate by deformation distribution under low finish cooling temperature. *Journal of Materials Engineering and Performance*, 2016, 25(9): 3682-3690.
- ⑧ **Xinjun Shen**, Shuai Tang*, Jun Chen, Zhenyu Liu, Guodong Wang. Formation of fine austenite through static recrystallization in low carbon micro-alloyed steels. *ISIJ International*, 2015, 55(12): 2657-2660.

Patents

- ① **Xinjun Shen**, Shuai Tang, Jun Chen, Zhenyu Liu, Guodong Wang. A steel plate with high strength and excellent low temperature toughness and its manufacturing method. No.: ZL201811509282.2.
- ② Shuai Tang, Zhenyu Liu, **Xinjun Shen**, Jun Chen, Xiangjun Zhang, Guodong Wang. A steel plate with excellent crack-arrested ability and its manufacturing method. No. ZL 2015 1 0109864.1.

Honors and awards	Outstanding Young Scholar of Soochow University in 2020
Requirement	Students with metal materials, metallurgical engineering or material forming background are welcome to apply for the master candidate.