


## Brief CV

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|-----------------------------------|---|----------------------------|-------|---|
| <b>Name</b>                       | Donghong Wang   | 中文名                        | 汪东红   |  |
| <b>Gender</b>                     | Male  | <b>Title</b><br>(Pro./Dr.) | Dr.   |   |
| <b>Position</b><br>(President...) | Teacher   | <b>Country</b>             | China |   |
| <b>University/<br/>Department</b> | Institute of Solidification Science and Technology, Shanghai Jiao Tong University   |                            |       |   |
| <b>Personal Website</b>           | <a href="http://smse.sjtu.edu.cn/jiaogongdenglu.asp?id=393">http://smse.sjtu.edu.cn/jiaogongdenglu.asp?id=393</a>   |                            |       |   |
| <b>Research Area</b>              | Research interests mainly focus on theories of metal solidification in investment casting and data mining and artificial intelligence in material processing. |                            |       |   |

### Brief introduction of your research experience:

1. Jan. 2017~ present: Research associate at School of Materials Science & Engineering, Shanghai Jiao Tong University, Shanghai, China.
2. Sep. 2014~Dec. 2016: Lecture at School of Materials Engineering, Shanghai University of Engineering Science, Shanghai, China.
3. Sep.2009~Jun.2014: Ph.D. student, Department of Materials Science and Engineering, Shanghai Jiao Tong University, Shanghai, China.
1. Donghong Wang, Bo He, Fei Li, Baode Sun, Numerical Simulation of the Wax Injection Process for Investment Casting, Materials and Manufacturing Processes, 2013, 28(2): 220-224.
2. Donghong Wang, Bo He, Fei Li, Baode Sun, Cavity Pressure and Dimensional Accuracy Analysis of Wax Patterns for Investment Casting, Materials and Manufacturing Processes, 2013, 28(6): 637-642.
3. Donghong Wang, Bo He, Fei Li, Fei Wang, Baode Sun, Experimental and Numerical Analysis on Core Deflection during Wax Injection, Materials and Manufacturing Processes, 2013, 28(11): 1209-1214.
4. Donghong Wang, Bo He, Shumei Liu, Changhui Liu, Fei Li. Dimensional shrinkage prediction based on displacement field in investment casting, International Journal of Advanced Manufacturing Technology, 2015, 85(01): 201-208.
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7. Yahui Liu, Jun Wang, Donghong Wang. Numerical optimization on hot forging process of connecting rods based on RSA with experimental verification. International Journal of Advanced Manufacturing Technology, 2017, 90: 3129-3135.
8. Fei Wang, Fei Li, Bo He, Donghong Wang, Baode Sun. Gel-casting of fused silica based core packing for investment casting using silica sol as a binder. Journal of the European Ceramic Society, 2013, 33:

2745-2749.

9. Xiaodong Sun, Wenyun Wu, Donghong Wang, Peiran Deng, Heping Lv. Effects of cerium addition on the microstructure, mechanical property and creep behavior of AM60B magnesium alloy, Materials Transactions, 2016, 57(6): 913-917.

10. Bin Lu, Donghong Wang, Lv Xiao, Fei Li, Jixuan Ren. Microstructure analysis of laser remelting for thermal barrier coatings on the surface of titanium alloy, International Symposium on Materials Application and Engineering, SMAE 2016, Chiang Mai, Thailand, 2016.8.20-2016.8.21.

**\*\*\*\*\*All the columns need to be filled in.**