

刚铁

工学博士

先进焊接与连接国家重点实验室主任

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主要研究方向

1. 超声信号处理与智能化缺陷诊断
2. X射线图像的处理与模式识别
3. 超声检测的计算机模拟与仿真
4. 检测过程控制与自动检测系统开发
5. 结构缺陷识别和数字化表征以及可靠性

社会兼职

中国焊接学会理事

中国焊接协会常务理事

中国焊接学会焊接生产制造与质量控制专业委员会副主任委员

黑龙江省焊接学会副主任委员

西南交通大学“先进连接技术”省重点实验室学术委员会委员

北京工业大学，汽车结构部件先进制造技术 教育部工程研究中心，学术委员会委员

焊接学报编辑部编委

主要学术成果

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9. **Gang Tie**, Chi Dazhao. Novel approach to enhancement of ultrasonic TOFD B-scan image for measurement of weld crack. STWJ, 2007, 12(1):87-93.
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15. 赵新玉, 刚铁, 张碧星, 非近轴近似多高斯声束模型的相控阵换能器声场计算, 声学学报, 2008, 33(5): 475-480
16. Zhao Xinyu, **Gang Tie** and Zhao Xuemei, Simulation and experiments of ultrasonic propagation in nickel-based alloy weldments, China Welding, 2008, 17(4): 17-22
17. Xinyu Zhao, Tie Gang, Nonparaxial multi-Gaussian beam models and measurement models for phased array transducers, Ultrasonics, 2009, 49:126-130
18. X.M.Zhao, **T.Gang**, X.Y.Zhao, Experimental study of nondestructive micro-structural characterization of friction stir welded joints, Material Evaluation, 2009, 67(4): 444-448
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