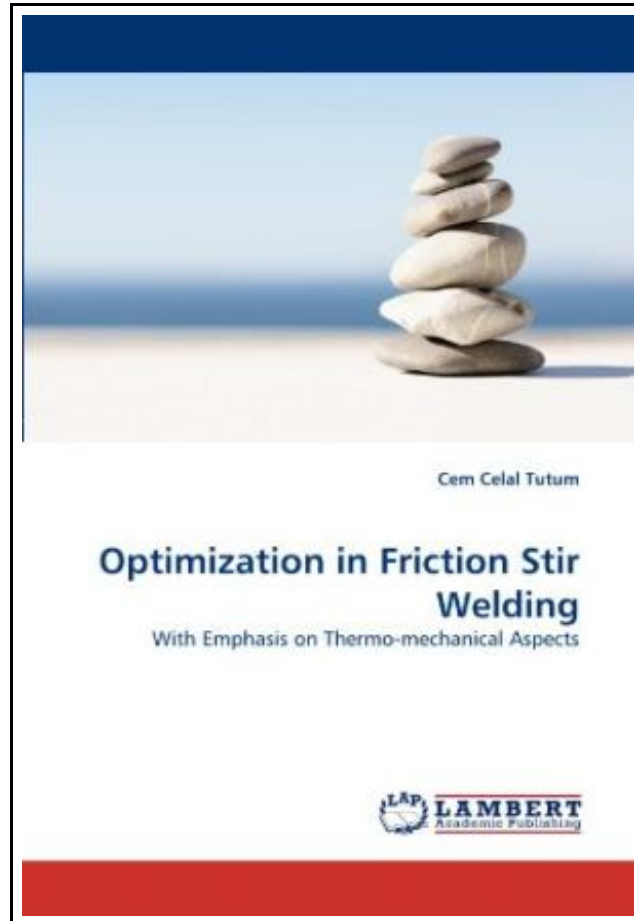


## Optimization in Friction Stir Welding



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