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Title: Aluminum/steel joints made by an alternative friction stir spot welding process

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Highlights

- 1- Aluminium and steel sheets were joined using an alternative FSSW process.
- 2- The joint strength first improved and then decreased with increase in dwell time.
- 3- IM layer thickness of 2.3 μm was a critical thickness.
- 4- Higher rotational speeds were associated with weaker FSSW joints.

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