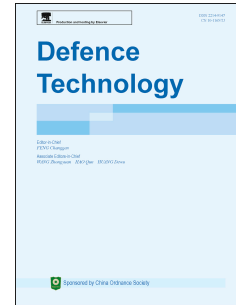


# Accepted Manuscript

Evaluating location specific strain rates, temperatures, and accumulated strains in friction welds through microstructure modeling

Javed Akram, Prasad Rao Kalvala, Vikas Jindal, Mano Misra



PII: S2214-9147(17)30177-0

DOI: [10.1016/j.dt.2017.11.002](https://doi.org/10.1016/j.dt.2017.11.002)

Reference: DT 272

To appear in: *Defence Technology*

Received Date: 30 August 2017

Revised Date: 9 October 2017

Accepted Date: 3 November 2017

Please cite this article as: Akram J, Kalvala PR, Jindal V, Misra M, Evaluating location specific strain rates, temperatures, and accumulated strains in friction welds through microstructure modeling, *Defence Technology* (2017), doi: 10.1016/j.dt.2017.11.002.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Evaluating location specific strain rates, temperatures, and accumulated strains in friction  
welds through microstructure modeling**

Javed Akram<sup>a</sup>, Prasad Rao Kalvala<sup>a\*</sup>, Vikas Jindal<sup>b</sup>, Mano Misra<sup>a</sup>

<sup>a</sup> Dept. of Metallurgical Engineering, University of Utah, Salt Lake City, UT 84112, USA

<sup>b</sup> Dept. of Metallurgical Engineering, Indian Institute of Technology (BHU), Varanasi, INDIA

\*Corresponding author:

Prasad Rao Kalvala

Research Professor

135 S 1460 E Rm 412

Department of Metallurgical Engineering

University of Utah, Salt Lake City, UT 84112

Email: [Prasad.Kalvala@utah.edu](mailto:Prasad.Kalvala@utah.edu)

Download English Version:

<https://daneshyari.com/en/article/7157610>

Download Persian Version:

<https://daneshyari.com/article/7157610>

[Daneshyari.com](https://daneshyari.com)