

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  | | --- | | Dear Reader, | | We are pleased to deliver your requested table of contents alert for **Welding in the World**. [Volume 67, Issue 3](http://links.springernature.com/f/a/D6eHknd_Ke3DYwhfdjfNwQ~~/AABE5gA~/RgRlwOYwP0SKaHR0cDovL2xpbmsuc3ByaW5nZXIuY29tL2pvdXJuYWwvNDAxOTQvNjcvMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) is now available online. | |  | | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Welding in the World cover image | | | | | | |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  | | --- | | In this issue | | |  | | --- | |  | | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | | Open Access | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Non-destructive evaluation of the friction stir welding process, generalizing a deep neural defect detection network to identify internal weld defects across different aluminum alloys](http://links.springernature.com/f/a/sWthaE8SeKxMFMsKZwVMkQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0MS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | P. Rabe, U. Reisgen, A. Schiebahn | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/sWthaE8SeKxMFMsKZwVMkQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0MS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/sWthaE8SeKxMFMsKZwVMkQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0MS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/HZSRW_kpSTyogkevqDPVvQ~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0NDEteT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | | Open Access | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Development of double-sided friction stir welding of advanced high strength steel sheets](http://links.springernature.com/f/a/EOl0ICZJ3sGockzsiEafWA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ1OS0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Muneo Matsushita, Daiki Yamagishi, Satoshi Igi, Rinsei Ikeda | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/EOl0ICZJ3sGockzsiEafWA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ1OS0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/EOl0ICZJ3sGockzsiEafWA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ1OS0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/R4JQp-XZBsIdDE9PvarULQ~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0NTktMj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | | Open Access | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Sliding wear behavior of cold metal transfer cladded Stellite 12 hardfacings on martensitic stainless steel](http://links.springernature.com/f/a/mMnf25rCpYPZJi2mVS5now~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM5MC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Jaakko Tapiola, Jari Tuominen, Jorma Vihinen, Petri Vuoristo | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/mMnf25rCpYPZJi2mVS5now~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM5MC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/mMnf25rCpYPZJi2mVS5now~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM5MC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/9uDQT4oMA1VXreSIa7zt-g~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDEzOTAtNj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Comparative analysis of CoCrAlY coatings at high-temperature oxidation behavior using different reinforcement composition profiles](http://links.springernature.com/f/a/8GRLMeRKR59roOJI5-h0QA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwNS0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | H. S. Nithin, K. M. Nishchitha, D. G. Pradeep, C Prasad Durga, Mahantayya Mathapati | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/8GRLMeRKR59roOJI5-h0QA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwNS0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/8GRLMeRKR59roOJI5-h0QA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwNS0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/MKWD87kE6oiw7oC2UEvbjA~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0MDUtMj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Dissimilar gas tungsten arc welding of TC4 titanium to 304 stainless steel using CuSi3 filler wire](http://links.springernature.com/f/a/jhlqxQo0Qe9ctYYdjpY8_w~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwMi01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Zhou Li, Xiaobing Cao, Xiongfeng Zhou, Zhaoxi Yi, Xianshi Jia | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/jhlqxQo0Qe9ctYYdjpY8_w~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwMi01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/jhlqxQo0Qe9ctYYdjpY8_w~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwMi01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/2z-QoNRupvEN_XdzGBqBHA~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0MDItNT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Local compression process avoiding toughness change](http://links.springernature.com/f/a/p9wdGqKnWXQbQjeZCLpzQw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM4Ni0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | A. Takumi Ozawa, B. Hiroaki Kosuge, C. Yoshiki Mikami, D. Tomoya Kawabata | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/p9wdGqKnWXQbQjeZCLpzQw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM4Ni0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/p9wdGqKnWXQbQjeZCLpzQw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM4Ni0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/jh3RpznfohzoTHISlOO6Gw~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDEzODYtMj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Experimental characterization of dynamic fracture toughness behavior of X80 pipeline steel welded joints for different heat inputs](http://links.springernature.com/f/a/vvsenk1cwgO0OkxYGxBNgA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM5MS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Mayur P. Singh, Kanwer Singh Arora, Ankit Gupta, Rajneesh Kumar, Dinesh Kumar Shukla, Pranav Jhunjhunwala | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/vvsenk1cwgO0OkxYGxBNgA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM5MS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/vvsenk1cwgO0OkxYGxBNgA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTM5MS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/pQIzfBACX7Q0eOiYPNLaxw~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDEzOTEtNT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Experimental study of mechanical properties and fracture modes in different regions of the nickel-based welding joint based on small punch test](http://links.springernature.com/f/a/tKwS0wRYhm2tfFeD8UQIBw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ1MS13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Xiangxuan Geng, Jian Peng, Liangxiong Jiang, Xuedong Liu, Yi Tu, Zhichao Xue | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/tKwS0wRYhm2tfFeD8UQIBw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ1MS13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/tKwS0wRYhm2tfFeD8UQIBw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ1MS13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/xV2pBU1bKCXzue7tOkBPSg~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0NTEtdz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Fatigue strength of shot-peened welded joints of steel bridges](http://links.springernature.com/f/a/xGuGRIksT8L4jbGVsN1UQQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwMC03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Koji Kinoshita, Kiyoaki Sugawa, Yuki Banno, Yuki Ono, Shohei Yamada, Seiji Kameyama | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/xGuGRIksT8L4jbGVsN1UQQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwMC03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/xGuGRIksT8L4jbGVsN1UQQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwMC03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/kOo0p3TrW8qt3D4IjFa86g~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0MDAtNz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | | Open Access | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Influence of the geometry on the fatigue strength of welded joints using the effective notch stress approach](http://links.springernature.com/f/a/wrmKQBYWT_Mp_c4flMK4aw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwOS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Sven Lippardt | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/wrmKQBYWT_Mp_c4flMK4aw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwOS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/wrmKQBYWT_Mp_c4flMK4aw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwOS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/YdVjiZ7lt2nzDMx6Ys9YcQ~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0MDkteT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | | Open Access | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Sequence effects on the life estimation of thin-walled welded tubular structures made of HSS + UHSS under bending](http://links.springernature.com/f/a/fY6MThzW0lM5jDSQG2CY1g~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQzMi16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Josef Neuhäusler, Jakob Roth, Markus Oswald, André Dürr, Klemens Rother | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/fY6MThzW0lM5jDSQG2CY1g~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQzMi16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/fY6MThzW0lM5jDSQG2CY1g~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQzMi16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/iPOR8l7sfA1XyDuJAPx6Sg~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0MzItej91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Fatigue performance of thick 6061-T6 aluminum friction stir welded joints with misalignment or channel defects](http://links.springernature.com/f/a/gDhumIK8wzZc_X7Ptr_cnA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQzMC0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | A. Fleury, R. Ranjan, L. H. Shah, L. St-Georges, A. Rahem, S. Walbridge, A. Gerlich | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/gDhumIK8wzZc_X7Ptr_cnA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQzMC0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/gDhumIK8wzZc_X7Ptr_cnA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQzMC0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/nysdlaMnJcVWFVrMFCdo8Q~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0MzAtMT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | | Open Access | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Fatigue life improvement of similar and dissimilar aluminum friction stir welds by deep rolling](http://links.springernature.com/f/a/u4L16tKQpQU-i2MrZWim7A~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ1NS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Jan Schubnell, Antonia Müller, Ralf Boywitt, Oliver Maiß, Majid Farajian | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/u4L16tKQpQU-i2MrZWim7A~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ1NS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/u4L16tKQpQU-i2MrZWim7A~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ1NS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/cRHu5rMfNaSm9CpnxD2OUA~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0NTUtNj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Fatigue strength improvement method for thin sheet GMA welding joints by weaving](http://links.springernature.com/f/a/lznqiSpoka-RlKGydkTPSQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTQ4MC16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Kazuki Matsuda, Yoshinari Ishida, Shinji Kodama | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/lznqiSpoka-RlKGydkTPSQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTQ4MC16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/lznqiSpoka-RlKGydkTPSQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTQ4MC16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/HprSsCJyDQlwJg8rNu6eEQ~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE0ODAtej91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Study on prediction of tensile-shear strength of weld spot based on an improved neural network algorithm](http://links.springernature.com/f/a/MS1dFnlbYAlEssGUg6pXOA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwNi0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Wu Gang, Chen Tian, Zhang Dongdong | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/MS1dFnlbYAlEssGUg6pXOA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwNi0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/MS1dFnlbYAlEssGUg6pXOA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQwNi0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/0OY2VP5iXB-ZKDhfzfHmrQ~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0MDYtMT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Experimental investigation on residual stress distribution in an austenitic stainless steel weld overlay pipe after local ultrasonic impact treatment](http://links.springernature.com/f/a/1HLgVliEPLgN14ys5ur4nw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0NC05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Chuan Liu, Yuefeng Chen, Hui Xiao, Kai Wang, ShuangWang, Weihua Liu | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/1HLgVliEPLgN14ys5ur4nw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0NC05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/1HLgVliEPLgN14ys5ur4nw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0NC05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/DcofoOEshL7RswRNzXF6gw~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0NDQtOT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Influence mechanism of laser power on hybrid laser-MAG welding undercut defect](http://links.springernature.com/f/a/XPBixdGAD1Lw9-2MXALvEw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQyMy0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Luyu Li, Ziyi Luo, Yaoyong Yi, Yongjun Hu | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/XPBixdGAD1Lw9-2MXALvEw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQyMy0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/XPBixdGAD1Lw9-2MXALvEw~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQyMy0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/ua1dENZjiLvTMGr2rm6kyA~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0MjMtMD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | | Open Access | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Controlling root penetration in electron beam welding by a through-current feedback](http://links.springernature.com/f/a/VD8bM-EusbY6C6v85PMd_w~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQzOS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Miikka Karhu, Veli Kujanpää | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/VD8bM-EusbY6C6v85PMd_w~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQzOS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/VD8bM-EusbY6C6v85PMd_w~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQzOS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/EgEOMPJW47HUMXQmN3Cg-w~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0MzktNj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Thermal influence of resistance spot welding on a nearby overmolded thermoplastic–metal joint](http://links.springernature.com/f/a/AALjZUJ7lln-yeENI_LQyA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTQ2NS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Jan Wippermann, Gerson Meschut, Wikentji Koschukow, Alexander Liebsch, Maik Gude, Steven Minch, Björn Kolbe | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/AALjZUJ7lln-yeENI_LQyA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTQ2NS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/AALjZUJ7lln-yeENI_LQyA~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTQ2NS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/fuAJppGyJD5ufBhAatF7oA~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE0NjUteT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Ferrite fraction in duplex stainless steel welded with a novel plasma arc torch](http://links.springernature.com/f/a/RUA0rwh4kkMR_4mxsUJEYQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0Ny02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Klara Trydell, Kjell-Arne Persson, Nuria Fuertes, Erwan Siewert, Nakhleh Hussary, Michael Pfreuntner, Per Bengtsson, Paul Janiak, Ravi Vishnu, Mette Frodigh | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/RUA0rwh4kkMR_4mxsUJEYQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0Ny02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/RUA0rwh4kkMR_4mxsUJEYQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0Ny02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/tCjyZEiOa3mrnB3v6WMOQA~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0NDctNj91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | Research Paper | | | |  |  | | --- | --- | | |  | | --- | |  | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [Corrosion resistance of austenitic stainless steel welds with no-backing gas](http://links.springernature.com/f/a/BWxOFWqm1wZxpY6wlFgarQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0Mi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) | | Jeremy McNicol, Badri Narayanan, Narasi Sridhar, Carolin Fink | | | | | | | |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | [**» Abstract**](http://links.springernature.com/f/a/BWxOFWqm1wZxpY6wlFgarQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0Mi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](http://links.springernature.com/f/a/BWxOFWqm1wZxpY6wlFgarQ~~/AABE5gA~/RgRlwOYwP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMi0wMTQ0Mi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N18zJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzAyMDRXA3NwY0IKY9MwYd5jdYykaFISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](http://links.springernature.com/f/a/a1jmz29gZSuD5jVvGvkDpg~~/AABE5gA~/RgRlwOYwP0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjItMDE0NDIteD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjdfMyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMwMjA0VwNzcGNCCmPTMGHeY3WMpGhSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) | | | | | |