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| Dear Reader, |
| We are pleased to deliver your requested table of contents alert for **Welding in the World**. [Volume 69, Issue 2](https://links.springernature.com/f/a/qB9-OmJOlycQxpN_1BxzsA~~/AABE5gA~/RgRpdzmnP0SuaHR0cDovL2xpbmsuc3ByaW5nZXIuY29tL2pvdXJuYWwvNDAxOTQvNjkvMj91dG1fc291cmNlPXNwcmluZ2VyX2V0b2MmdXRtX21lZGl1bT1lbWFpbCZ1dG1fY2FtcGFpZ249Q09OUl80MDE5NF9BV0ExX0dMX0RURUNfMDU0Q0lfVE9DLTI1MDEyNSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjUwMTI1VwNzcGNCCmeOp7SUZ_i0XTNSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) is now available online. |
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| [Investigation of stress corrosion cracking behavior of friction stir welded thick al 6061-t6 alloy plate](https://links.springernature.com/f/a/uo6EBeNr2r7XSzIeKoqp2A~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg0NS15P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Imtiaz Ali Soomro, Adeel Hassan, Umair Aftab, Lun Zhao, Ali Arshad, Bilal Shahid |

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| [Welding and analysis of Hastelloy X alloy butt joint made by CO2 laser](https://links.springernature.com/f/a/pHpcJh-s_HSP2tZXaPb1Xw~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg0Ni14P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| G. Sathishkumar, S. Senthil Murugan, P. Sathiya |

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| [Friction Stir-Based Techniques: An Overview](https://links.springernature.com/f/a/Es3k_jKA4ORWuaRl3qwKhA~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg0Ny13P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Noah E. El-Zathry, Stephen Akinlabi, Wai Lok Woo, Vivek Patel, Rasheedat M. Mahamood |

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| Andreas Gester, Toni Sprigode, Guntram Wagner |

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| [Influence of bonding temperature on solid-state diffusion bonded joints of AA2219 and Ti-6Al-4V dissimilar alloys—microstructure and mechanical characterisation](https://links.springernature.com/f/a/UVmpQW5oL1omXWsW_KWhbA~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg2My13P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Manjunath Vatnalmath, Virupaxi Auradi, Bharath Vedashantha Murthy, Madeva Nagaral |

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| [Friction welding of two carbon low alloy steels 42CrMo and 36Mn2V: Effects of forging pressure and post-weld heat treatment on microstructure and mechanical properties](https://links.springernature.com/f/a/ZC_T4v1obcR5TEOi1uNnPg~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg2NC05P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Tian Lu, Wenya Li, Chuanliu Wang, Dongzhuang Tian |

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| [Effect of ambient conditions in friction surfacing](https://links.springernature.com/f/a/jtbg0j0dL4o7kvooEyfjeg~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg2NS04P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| M. Hoffmann, E. A. Duda, P. Aspes, B. Klusemann |

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| [Effectiveness and efficiency of tool alignment and simultaneity factors on double-sided friction stir welding for joining heat-treatable aluminum alloys: a review](https://links.springernature.com/f/a/o549Rnx6r8sO7649ZZmxjQ~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg2Ny02P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Rikko Putra Youlia, Wenya Li, Yu Su, Yishuang Tang, Diah Utami |

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| [Influence of rotational speed on interfacial microstructure and tensile properties of friction welded Al-SS pipe joints](https://links.springernature.com/f/a/I8GOMEviXtzg22NvR5kc_w~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg3MC14P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Hardik D. Vyas, Vishvesh Badheka |

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| A. Nikitin, D. Turabov, E. Ermilova, A. Evdokimov, R. Ossenbrink, H. Seidlitz |

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| J. Koal, M. Baumgarten, C. Nikolov, S. Ramakrishnan, C. Mathiszik, H. C. Schmale |

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| [Effect of a variable electrode force on the LME crack formation during resistance spot welding of 3G AHSS](https://links.springernature.com/f/a/N9XOOrUgP3P6qIaUzu8fEA~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg4OS0wP3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| M. Ullrich, S. Jüttner |

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| [Influence of experience level on determining weld diameter in resistance spot welding](https://links.springernature.com/f/a/BMKTHJ439jzdx5DWS5hrQw~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg5My00P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Christian Mathiszik, Benedikt Nopper, Johannes Koal, Uwe Füssel, Hans Christian Schmale |

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| [Development and validation of a generalized, AI-based inline void defect detection solution for FSW based on force feedback](https://links.springernature.com/f/a/VCwgpL_7WpVWBGGfhIlmlA~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg5NS0yP3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| P. Rabe, A. Schiebahn, U. Reisgen |

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| [Analysis of residual stress relief in linear friction welded Ti17 during post weld heat treatment by Norton-Bailey creep model](https://links.springernature.com/f/a/UXSZzsBFfKDGis1sjp8sHw~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTg5Ni0xP3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Peng He, Yunxin Wu, Tao Zhang, Junlong Jin |

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| [Resistance spot welding of die-cast and wrought aluminum alloys: Improving weld spot quality through parameter optimization](https://links.springernature.com/f/a/OfohlBuZn_zchb6Kj-0QhQ~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTkwMS03P3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| M. Epperlein, A. Schiebahn, U. Reisgen |

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| [High-power ultrasonic spot welding of copper to type 304L austenitic stainless steel](https://links.springernature.com/f/a/f4i2p-uW6EyBnhoQP2jlvw~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTkwNS0zP3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Mohamed Wahba, Sami M. Ibn Shamsah, Mohamed A. H. Gepreel, Macoto Takahashi |

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| [Experimental study on the effects of FSP and nanoparticle dispersion on the mechanical properties and microstructure of 316L stainless steel produced by SLM](https://links.springernature.com/f/a/gAswEf-06m8jXoB2D6AXKA~~/AABE5gA~/RgRpdzmnP0S_aHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTkxNS0xP3V0bV9zb3VyY2U9c3ByaW5nZXJfZXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj1DT05SXzQwMTk0X0FXQTFfR0xfRFRFQ18wNTRDSV9UT0MtMjUwMTI1JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNTAxMjVXA3NwY0IKZ46ntJRn-LRdM1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Morteza Omidi, Amir Mostafapour, Ali Ebrahimpour |

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