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| We are pleased to deliver your requested table of contents alert for **Welding in the World**. [Volume 68, Issue 7](https://links.springernature.com/f/a/L0l5W0kTnsAhECLHSnpOSQ~~/AABE5gA~/RgRoVRKrP0SKaHR0cDovL2xpbmsuc3ByaW5nZXIuY29tL2pvdXJuYWwvNDAxOTQvNjgvNz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfNyZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjQwNjE5VwNzcGNCCmZtq41yZrGxQhdSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) is now available online. |
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| Ying Zhu, Yu Zhang, Kui Li, Wei Guo, Yanqiang Xu, Tianwei Shao, Weimin Long, Qiang Jia, Hongqiang Zhang |

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| Bruno Maciel Sousa, Fagner Guilherme Ferreira Coelho, Givan Martins Macedo Júnior, Hellen Cristine Prata de Oliveira, Nilo Nogueira da Silva |

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| Lianjie Bi, Hua Yan, Peilei Zhang, Qinghua Lu, Haichuan Shi, Zhiyuan Li |

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| Qilong Wu, Weimin Long, Lei Zhang, Chenying Zhu |

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| [Micro-macro modeling of tensile behavior of a friction stir welded hybrid joint of AlSi10Mg parts produced by powder bed fusion and casting](https://links.springernature.com/f/a/ztKdTKXpucohJpgclEmmZQ~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc3NS05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Aravindh Nammalvar Raja Rajan, Marcel Krochmal, Thomas Wegener, Alexander Hartmaier, Thomas Niendorf, Ghazal Moeini |

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| [Numerical simulation of multi-field coupling behavior and heat and mass transfer mechanism in laser additive manufacturing process](https://links.springernature.com/f/a/TEzZaMlkH1IrPFgayqNlOw~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc5My03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Xing Han, Chang Li, Han Sun, Yichang Sun |

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| [Laser welding of additively manufactured AlSi10Mg and conventionally manufactured Al6061 alloy](https://links.springernature.com/f/a/7_fHTi5WNXfn3wRPC9-Ppw~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc5NC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| A. K. Vishwakarma, D. Debnath, M. D. Pawar, V. Muthiyan, B. Gautam, R. Khatirkar, Himanshu Shekhar, V. D. Hiwarkar |

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| [Achievement of defect-free and high-properties multilayer copper foils flexible connection by friction stir welding](https://links.springernature.com/f/a/IRTpl88CigW1Sf-XWx8Psg~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY2NS02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Zihang Li, Yongfang Deng, Jincheng Zeng, Liang Hu, Yutao Zhou, Zherui Qiu |

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| [Understanding the bonding mechanism in short-time resistance projection welding: a comprehensive analysis](https://links.springernature.com/f/a/wzOgiGaewqnGSxr4TjKgRg~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY3NC01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Johannes Koal, Martin Baumgarten, Jörg Zschetzsche, Hans Christian Schmale |

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| [Effect of innovative faying surfaces on dissimilar metal welds made with friction rotary joining](https://links.springernature.com/f/a/ZDlJUzPsQlZtVMJZBqdz9A~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY5MC16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| S. Senthil Murugan, P. Sathiya |

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| [Clarify the forming mechanism and affecting factors of defects in semi-stationary shoulder bobbin tool friction stir welding](https://links.springernature.com/f/a/762qCPLX-4qKHF2iLgx2_A~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcwNy03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Wen Quan, Li Wenya, Di Xiaogang, Ren Shouwei, Zhao Jing, Klusemann Benjamin |

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| [Quality monitoring for a resistance spot weld process of galvanized dual-phase steel based on the electrode displacement](https://links.springernature.com/f/a/STFw6rWTeQPVdaEzRu9tKg~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcyMC13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| M. Ullrich, M. Wohner, S. Jüttner |

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| [Exploring the boundaries of refill friction stir spot welding: influence of short welding times on joint performance](https://links.springernature.com/f/a/R-ki0zMDXW9ZdHS5Y8leDQ~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcyMS05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Jonathan Draper, Sebastian Fritsche, Andrew Garrick, Sergio T. Amancio-Filho, Athanasios Toumpis, Alexander Galloway |

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| [The weldability in dissimilar joints of AA5052 and SPFC780DP steel by hybrid friction stir welding](https://links.springernature.com/f/a/aIQ2qVi4iH0mOK2dYWNbJQ~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcyMi04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Hee-Seon Bang, Dong-Min Park, Bum-Su Go, Kyoung-Hak Kim |

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| [Study on precise weld diameter validations by comparing destructive testing methods in resistance spot welding](https://links.springernature.com/f/a/Ezr4zuUfh7o9UqlG1RbOZA~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc0Ny16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Christian Mathiszik, Johannes Koal, Jörg Zschetzsche, Uwe Füssel, Hans Christian Schmale |

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| [Enabling magnetic pulse welding for dissimilar tubular arrester cable joints](https://links.springernature.com/f/a/YYhtoegX9X2cOKZ4gLpMwQ~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc2MC0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| M. Graß, N. Sommer, S. Böhm |

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| [Effect of welding speed on micro-friction stir lap welding of ultra-thin aluminium and copper sheets](https://links.springernature.com/f/a/7szN9lUPHSNAphBusGkaYw~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc2MS0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Moumen Mahmoud Jazayerli, Chee Kuang Kok, Kamil Sued, Kia Wang Por, Chin Chin Ooi, Kia Wai Liew |

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| [Effect of copper interlayer in dissimilar TA6V/AU4G rotary friction weld joints](https://links.springernature.com/f/a/HlPcY4ANioHccVRe6BOVpg~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc3MS16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Houssem Eddine Lakache, Abdelghani May, Riad Badji, Nathalie Poirot, Slimane Nasre Eddine Reguieg Yssaad |

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| [A review on recent developments in ultrasonic welding of polymers and polymeric composites](https://links.springernature.com/f/a/grr0DkwXwHEpVTUVjSjhwg~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTY5My13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Sandeep Bose, H. Chelladurai, K. Ponappa |

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| [Feasibility analysis for the application of conduction tracks on textiles by means of laser radiation](https://links.springernature.com/f/a/ze84rI7gBkFOaHSGwUDY-w~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTcxMi13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| F. Brackmann, M. Brosda, M. Seidenberg, J. Sonnenschein |

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| [Effects of different heating strategies on the joint properties during infrared welding of glass fiber reinforced polyamide 6](https://links.springernature.com/f/a/q_WEmx01Ln6YKq6sH5jG6Q~~/AABE5gA~/RgRoVRKrP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyNC0wMTc1MC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF83JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyNDA2MTlXA3NwY0IKZm2rjXJmsbFCF1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Karina Gevers, Lucas Schraa, Paul Töws, Julia Decker, Volker Schöppner, Kai Uhlig, Markus Stommel |

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