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| Dear Reader, |
| We are pleased to deliver your requested table of contents alert for **Welding in the World**. [Volume 68, Issue 1](https://links.springernature.com/f/a/4zJe6URueaWdwqya11Ejjg~~/AABE5gA~/RgRnYu_1P0SKaHR0cDovL2xpbmsuc3ByaW5nZXIuY29tL2pvdXJuYWwvNDAxOTQvNjgvMT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMxMjE4VwNzcGNCCmV99WqAZdRhU1tSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) is now available online. |
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| [Joining of graphite to electrical pure iron using AgCuTi filler alloy and analysis of residual stress within the brazed joint](https://links.springernature.com/f/a/EL8-vnXnEKkxOnXH3xq50w~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTU5MS03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Wen-Wen Li, Bo-Hong Li, Wei Mao, Jian Yang, Bo Chen, Hua-Ping Xiong, Ye Liu |

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| [Impacts of diffusion brazing time on mechanical properties of Nicrofer 5520 superalloy joint by Ni-15Cr-3.7B filler metal](https://links.springernature.com/f/a/jVxjwCrHszcQwpjHZPKecw~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYwNi0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Ali Nasajpour, A. Farzadi, Seyyed Ehsan Mirsalehi |

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| [Effect of bonding temperature on microstructure and mechanical properties of Inconel 718 alloy transient liquid phase joints](https://links.springernature.com/f/a/YoYA3MdE7R8GISV3V4c07Q~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYwOS0wP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Jianguo Chen, Ji Dong, Yushun Wei, Yong Guo, Xuan Wang |

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| [Influence of iron on the structure and strength of the Kovar to stainless steel joints by using Cu–Mn–Co–Fe brazing filler metal](https://links.springernature.com/f/a/0oU-5T7l45923OPK1k1tAQ~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYxMy00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| S.V. Maksymova, P.V. Kovalchuk, V.V. Voronov |

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| [In situ X-ray phase contrast imaging of the melt and vapor capillary behavior during the welding regime transition on aluminum with limited material thickness](https://links.springernature.com/f/a/C_rVLlWoJUP44RsOmjHg0w~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYxNi0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| W.-S. Chung, M. Hummel, C. Spurk, A. Häusler, A. Olowinsky, C. Häfner, F. Beckmann, J. Moosmann |

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| [Comparative study between TIG-MIG hybrid and MIG welding of 1.4462 duplex steel joints](https://links.springernature.com/f/a/w9eNuM3cJAtUhm_g81w6uA~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYyMC01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| S. Weis, R. Grunert, S. Brumm, M. Halmaghi, U. Prank |

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| [Effect of CuZnAl particle addition on the microstructure and shear property of Cu/In-48Sn/Cu solder joints by transient liquid phase bonding](https://links.springernature.com/f/a/m37UXsDMTkVC0qPskWxTwA~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYyMS00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Li Yang, Haodong Wu, Yaocheng Zhang, Kaijian Lu, Qiusheng Lin |

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| [Characterization of friction stir-based linear continuous joining of aluminium alloy to structural polymer](https://links.springernature.com/f/a/NSgj1kCN-W8gOpNaaJFyPQ~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYyMi0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Prabilson Khadka, Sean Varglund, Samuel Akinwamide, Pedro Vilaça |

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| [Effect of temperature on wear and friction performance of WC-Co and Cr3C2 reinforced with 17-4PH Fe-based composite coatings](https://links.springernature.com/f/a/IJJqxhJc6Qk2mIZgsdlyxQ~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYyOC14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| T. V. Chandramouli, Sharnappa Joladarashi, M. R. Ramesh, Mohammad Rizwanur Rahman |

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| [Efficient prediction of residual stress in additive manufacturing based on semi-analytical solution](https://links.springernature.com/f/a/xLCt3nycHfxntl3KVgMxvw~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYzNC16P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Maohong Yang, Guiyi Wu, Xiangwei Li, Ruiyao Zhang, Shuyan Zhang, Honghong Wang |

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| [Frontal pyrometric snapshot measurements of the keyhole wall temperature in laser welding of pure aluminium](https://links.springernature.com/f/a/CtbFZd57rmiTuN5sqPXgpQ~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYzNi14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| R. Pordzik, T. Mattulat, P. Woizeschke |

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| [Study on microstructure characterization and mechanical properties of AISI 444 ferritic stainless steel joint by high-frequency pulse K-TIG welding](https://links.springernature.com/f/a/NFe_ABU5aXOjFkSkOmyTqg~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTYzNy13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Zhihai Dong, Ye Tian, Tingting Hao, YiWen Li, JunYan Miu, XinYing Cui, Chenhe Chang, Yunlong Chang |

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| [Effect of post-welding heat treatment on microstructure and properties of electron beam welding joint of new high-strength TB18 titanium alloy](https://links.springernature.com/f/a/kAamjbxS-ZTv7ZlMMMSzTA~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY0NC14P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Jian Long, Lin-Jie Zhang, Long Zhang, Miao-Xia Xie |

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| [Pre-melted electron beam freeform fabrication additive manufacturing: modeling and numerical simulation](https://links.springernature.com/f/a/63SKmMip027eFofAMzPw4A~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY0Ny04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Xi Shu, Chunyu Wang, Guoqing Chen, Chunju Wang, Lining Sun |

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| Graphical Abstract |

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| [**» Abstract**](https://links.springernature.com/f/a/63SKmMip027eFofAMzPw4A~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY0Ny04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/63SKmMip027eFofAMzPw4A~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY0Ny04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/93OE5l15nwrd-DWdYTqpPg~~/AABE5gA~/RgRnYu_1P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE2NDctOD91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMxMjE4VwNzcGNCCmV99WqAZdRhU1tSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

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| Obituary |

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| [Obituary—Dr. Martin Prager (USA)](https://links.springernature.com/f/a/iw-6ZESzGkhPi6brL9UKvA~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY1MS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| John Lippold |

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| Graphical Abstract |

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| [**» Abstract**](https://links.springernature.com/f/a/iw-6ZESzGkhPi6brL9UKvA~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY1MS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)    [**» Full text HTML**](https://links.springernature.com/f/a/iw-6ZESzGkhPi6brL9UKvA~~/AABE5gA~/RgRnYu_1P0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTY1MS15P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82OF8xJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzEyMThXA3NwY0IKZX31aoBl1GFTW1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) [**» Full text PDF**](https://links.springernature.com/f/a/WPnnFFBxWxo-3uxyayJPIw~~/AABE5gA~/RgRnYu_1P0SfaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjMtMDE2NTEteT91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjhfMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjMxMjE4VwNzcGNCCmV99WqAZdRhU1tSEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |

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