**Welding in the World**. [Volume 64, Issue 11](http://links.springernature.com/f/a/4kqGi9sEw6l9PZVYoFe1Bg~~/AABE5gA~/RgRhcSCsP0SMaHR0cDovL2xpbmsuc3ByaW5nZXIuY29tL2pvdXJuYWwvNDAxOTQvNjQvMTE_dXRtX3NvdXJjZT10b2MmdXRtX21lZGl1bT1lbWFpbCZ1dG1fY2FtcGFpZ249dG9jXzQwMTk0XzY0XzExJnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMDEwMjBXA3NwY0IKADOsm45fB70KX1ISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce)

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| [Microstructural development and corrosion behavior of 13Cr–4Ni-1Mo martensitic stainless steel clad](http://links.springernature.com/f/a/ctn-gfMzt9oorQqia8Ox_Q~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk2MS05P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| A. Farzadi, R. Kalantarian |

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| [Fatigue assessment in welded joints based on geometrical variations measured by laser scanning](http://links.springernature.com/f/a/PeMqR4LJkYrcrpeKqMoMVg~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk2Mi04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Gustav Hultgren, Zuheir Barsoum |

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| [A study on the type-b hot spot stress](http://links.springernature.com/f/a/l8776DIRvvLhNN-TnwdeZw~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk2My03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Norio Yamamoto, Tomohiro Sugimoto, Kinya Ishibashi, Satoyuki Tanaka |

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| [Vibration welding of components with angled areas in the direction of vibration](http://links.springernature.com/f/a/1AWVSJFgw3qpXinicLrHrA~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk2NC02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Sascha Vogtschmidt, Isabel Fiebig, Volker Schoeppner |

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| [Study on the stability of compressive residual stress induced by high-frequency mechanical impact under cyclic loadings with spike loads](http://links.springernature.com/f/a/ZU7ANeRaqRLo7MzkQFn1Kg~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk2NS01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Hector Ruiz, Naoki Osawa, Sherif Rashed |

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| [Stress concentration at cruciform welded joints under axial and bending loading modes](http://links.springernature.com/f/a/6sEOGcY6qegUZLQ_tVnBFg~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk2Ni00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Krzysztof L. Molski, Piotr Tarasiuk, Grzegorz Glinka |

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| [TZM/graphite interface behavior in high-temperature brazing by Ti-based brazing filler materials](http://links.springernature.com/f/a/ahJRAkf-Nm7GtseNBg2zzw~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk2Ny0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Quanbin Lu, Weimin Long, Sujuan Zhong, Jian Qin, Yongtao Jiu, Huawei Sun |

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| [Study of the structure and mechanical properties of engineering products made of austenitic-martensitic steel, using the metal magnetic memory technique](http://links.springernature.com/f/a/pu_csj2dhW0UrEVlfWZ6yw~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk2OC0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Anatoly Dubov, Alexander Dubov, Artem Marchenkov, Sergey Kolokolnikov |

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| [Direct observation and numerical simulation of molten metal and molten slag behavior in electroslag welding process](http://links.springernature.com/f/a/iXgaA_vBx3ZpuQBPFvw6mQ~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk2OS0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Y. Ogino, S. Fukumoto, S. Asai, T. Tsuyama |

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| [Fabrication, characterisation, and finite element analysis of cold metal transfer–based wire and arc additive–manufactured aluminium alloy 4043 cylinder](http://links.springernature.com/f/a/t-jJ1uj1IcnFmPihfWHZ2Q~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3MC04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| R. Pramod, S. Mohan Kumar, B. Girinath, A. Rajesh Kannan, N. Pravin Kumar, N. Siva Shanmugam |

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| [Properties and anisotropy behaviour of a nickel base alloy material produced by robot-based wire and arc additive manufacturing](http://links.springernature.com/f/a/QnTrdmX3a_OCXMmIBD3jIA~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3MS03P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Thomas Hassel, Torben Carstensen |

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| [Microstructures and mechanical properties of brazed 6063 aluminum alloy joint with Al-Cu-Si-Ni filler metal](http://links.springernature.com/f/a/getLhhur_CcqTQcU3ieuVg~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3Mi02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Chong Pei, Xin Wu, Guoqing Zhang, Yaoyong Cheng, Xinyu Ren, Wei Wang, Huaping Xiong |

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| [Modelling and thermal simulation of absorber-free quasi-simultaneous laser welding of transparent plastics](http://links.springernature.com/f/a/2GhdSWdejpqrtu45gEZA_w~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3My01P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Nam-Phong Nguyen, Stefan Behrens, Maximilian Brosda, Alexander Olowinsky, Arnold Gillner |

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| [Robustness of the HFMI techniques and the effect of weld quality on the fatigue life improvement of welded joints](http://links.springernature.com/f/a/GChQy87RYnyVYi_j-4O02Q~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3NC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| R. Aldén, Z. Barsoum, T. Vouristo, M. Al-Emrani |

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| [Liquid zinc penetration induced intergranular brittle cracking in resistance spot welding of galvannealed advanced high strength steel](http://links.springernature.com/f/a/V_ADO3cjm2h-BTDc7017xA~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3NS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) |
| Siva Prasad Murugan, Jong Bae Jeon, Changwook Ji, Yeong-Do Park |

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| [**» Abstract**](http://links.springernature.com/f/a/V_ADO3cjm2h-BTDc7017xA~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3NS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~)    [**» Full text HTML**](http://links.springernature.com/f/a/V_ADO3cjm2h-BTDc7017xA~~/AABE5gA~/RgRhcSCsP0ScaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMC0wMDk3NS0zP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82NF8xMSZ1dG1fY29udGVudD1ldG9jX3NwcmluZ2VyXzIwMjAxMDIwVwNzcGNCCgAzrJuOXwe9Cl9SEmN3cy1hbmJAY3dzLWFuYi5jelgEAAAHHg~~) [**» Full text PDF**](http://links.springernature.com/f/a/xdYe0YRGUWyr6jCJmCV3ew~~/AABE5gA~/RgRhcSCsP0SgaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9jb250ZW50L3BkZi8xMC4xMDA3L3M0MDE5NC0wMjAtMDA5NzUtMz91dG1fc291cmNlPXRvYyZ1dG1fbWVkaXVtPWVtYWlsJnV0bV9jYW1wYWlnbj10b2NfNDAxOTRfNjRfMTEmdXRtX2NvbnRlbnQ9ZXRvY19zcHJpbmdlcl8yMDIwMTAyMFcDc3BjQgoAM6ybjl8HvQpfUhJjd3MtYW5iQGN3cy1hbmIuY3pYBAAABx4~) |

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| pp 1957 - 1969 |

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