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| We are pleased to deliver your requested table of contents alert for **Welding in the World**. [Volume 69, Issue 7](https://links.springernature.com/f/a/dpnAe7nSPCyd8qvKjWuOAA~~/AABE5hA~/1LAD9Lg2ETgFhuEAY2muDC56m47Tih29zZa2wz_U4GPJTjGlSqDdv0n9ukiCMqapmqVwTIiO0b9vxpbJwSAgLoqD7mDLfgWyx95rJ3aOmsiPf3jjjcGVEnkekh4XhddmHZ66-89-tVDfnEcg060yEIHiJ5ZbL1aHD3IF9EdXYHTPCWQ5At8_ZX4H0OtCOUDiAsD0svVHhkre34otT0Skf-HHn5SDcVhGk4SoG2DutaQ09URPrvlDSDY8Sa0ttTsQ-ZFQGe260aOcplTS4IxhGVc-hk_VW6HtXwfjxV5iGzEVzqtF9yMR5lTp2iRukBsTfMT_dt6odry0M-MELVVNqg~~) is now available online. |
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| Welding in the World cover image |

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| [Prediction of weld morphology in laser-welded 316L stainless steel using a multilayer feedforward neural network](https://links.springernature.com/f/a/dFzIvgWX7tLElqJHa_oE6Q~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28U87hs-0-jxgO4qmM3bQ0lDu8L4zgqRtEFg2o96AMC_yKOQwBmhMb4IJSh8YxxOT1KQ-XJlA99rG7vVIt0RKMS8x_bBJjZGx9k3spCMt9ImgLshT_Gk8-jZXB1GYOlRl1BqubKKvjFeRs4U7fqe0yUrpY9jauvqEPL11IeL_GxbAzioWISm7EOpai8FCQ3FU_8iVy-rtQLpmi2qWzUGaeEdveRdaIi80C-17-bBRIY-TB4pM2A6VPjKGJTQ6K9qwHL6mDTujR7sYBoKmfEU_ibw~~) |
| Yalong Diao, Wenqing Shi, Bingqing Zhang, Longwei Jiang, Yiming Lin |

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| [Study on the methods and mechanisms for suppressing porosity in narrow-gap oscillating laser wire-fill horizontal welding](https://links.springernature.com/f/a/SUq_RdCpm6XfDABEf6Zw7w~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28U87hs-0-jxgO4qmM3bQ0lEr7r9jokUPY1X1M3VwD1TtLBcUm_hJx0ZZjpRfC4f7zqHkNXJ5l-van6jLA9-2WzbnmAuDvcIRA0dxok4EdR06AD0Xu8PTzPxGXPEcSuuJWVWhb8syjjkTko38JhWIHtooD-i5Y3OGNo8Qjn5M9Tc2rS5GC9_raqKn2nHPUznoe-NsTQGHet0lkRculmi1OVT2qbt5hCnE4pBpm6zPZMuQW4OKCysI9NL0hyzdaZf7XQnTyAmEDDsh8tQCjHVKMKA~~) |
| ZhenDong Wu, ShiYang Wang, RuiSheng Huang, Jian Qin, Yuan Sun, JunHua You, PengBo Han, Hao Cao |

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| [Influence of heat input on cooling rates and mechanical properties of laser hybrid welded thick structural steels](https://links.springernature.com/f/a/mvRjpXph2I_lrV93U5sfog~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28hVcm_9PG9HU48bsSLHjgkBaOhCxsh78byED3zz2w823xLSAdkW3VW7XdB4yz2GLjjs3wh8Vq5uY4yf-h3xYZGENI_6fXyDeIqufKArXKb63_VXL6XQ9h83Hmt7gw5eOt0xYUpII84WfieuG4WuaAkrNLpb3I8CKp0zGK_jlIc2tHmLCgt925HFaj4IGgHWZY5KCxzftsgc6fHJJv1uqdtea8dhbwwTJ9aeAwrJs5JSi9hGDXkdK1uBdg25tIzLCsBzVOH1Kp2A7FbUaZQ_XFmA~~) |
| Fatma Akyel, Ömer Üstündag, Nasim Bakir, Christian Brunner-Schwer, Andrey Gumenyuk, Michael Rethmeier |

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| [Investigation of the microstructure and mechanical properties of dissimilar joints of PBF-LB/IN718 to AISI 316L by laser welding](https://links.springernature.com/f/a/z81NZGEAUk0CEYHv5lyUNQ~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28hVcm_9PG9HU48bsSLHjgkI7D8odIo3sLu3NGiRd_xzUcWY8eJOLcTIvZaEGKf3Qg1f2zdPoEK0IpcAqUxWsBzcevlX7lY5oJfNUM7JH7mFJUWok9CAX3Zcj-EoaR2S2UzRUqFWzxy296Yy6PEeWx-G7GR7M4fnhdFr22eCDqBu9Xhhc9S4FJcow1yWWkCHjBazN2UDANTJyL_frM3p2BQqRulbubWP8eruGiv78mIb1DS39Fe16WMPWk4NNvfhs56Bo2LLc4hI_WtrbVufyJfA~~) |
| Saeid Parchegani Chozaki, Heidi Piili, Shahriar Afkhami, Mohsen Amraei, Antti Salminen |

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| [Microstructure, mechanical properties, and corrosion resistance of DSS laser-welded joints](https://links.springernature.com/f/a/Or5fTsiJOGAbdpCaI2oJWQ~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28hVcm_9PG9HU48bsSLHjgkCCNC3mL40Z-i21DszAMKbozFqiouoHK9T3gCAaB_hvfK_cz1ASA7EWgMtFr2td6vJHf1dL23CgtDHSr-r48XDLmXyvLLmG05VFgjy3KeRLn41pPzZrOZKtoyCgL7BEPABqkiPyqGerHuhkIoXxYyIUoexy0WOC6IBtQqqpwvB9fzYHkJ-6pSvkL55TiwTzruQAY5X2cwRHAb8OjOHzxH9bgvGMTSo7Da66HB_vpFPeQyBIh-IkO6GbK43ZMIXdCNg~~) |
| Zhiqiang Zhang, Sicheng Qu, Yuhang Zhang, Hongwei Zhang, Xiaochong Lu, Boya Li, Hanxi Li, Tiangang Zhang, Dongquan Wu, Peng Chu, Hongli Liu |

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| [Recent developments of laser beam submerged arc hybrid welding in the thick sheet range](https://links.springernature.com/f/a/cYUqPgH2dYk9HkGV6OGIPQ~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28hVcm_9PG9HU48bsSLHjgkJJO6J7ONZuUVc0npVxw5VkqRF5ce39S6daXnGDgBAV2JoJnWknKb_DEHwjEweYTshqcdsInuL94MWl5xeISqDVq9SxVngA0ggvS7p3yYVJfV0NCorzfP8QgQ6lf3SBTyzwbomoPEF12s4ownMSNwdYkIXo_5MwFNiRmTXNAvVJahUjwQJtOOPzn9e2oPCrMGWo7gohei6Xor1CmSzYOBvq82AAszQHXmFqlo_DsU4GmgM4ER7uIzfzxmxm5kDAKBg~~) |
| M. Clemens, S. Olschok, U. Reisgen |

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| [Effect of oscillating laser on weld macroscopy and defects of galvanized steel welding with zero-gap](https://links.springernature.com/f/a/fBO3ITAH2jK--eLpTsmMdg~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8MyqVZ6T4Q8q8mV1alNUdyfBEz5YE0EHAVLU_cH0GnlyDQ9DO0-iKKERrk-4azz1QDcwAtR5V7wfZgPRFtic4GsjwiC4anXgsv3_0mAbW1NLeWVsbqBKagI5NMdGPyj7EkIMieAWrv_2uZsyMjkwLs4lWQauGd3X7DdYveLdrGuCICIFa6qV4kw2XtPI37zFSMJjizr6WNVpe8Fg2VqA5AceeDy8nPxl_94bQqmBE-eKvVuG1nd4m7EMyZ1rGYqtOw~~) |
| Bo Chen, Han Gao, Ziwen Jin, Caiwang Tan, Xiaoguo Song, Yunxia Chen |

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| [Effect of laser pre-heating on the weld properties of AA6005 by remote laser welding using circular beam wobbling](https://links.springernature.com/f/a/ksmznzwc19uydjb9H_CmiQ~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8HhWeDpzqSVVK981l6rDvr0DHDLPH_vzfaf2bFrBBZQDmxjvAkWmSWbPCUIG0tpLNnRCWdFG-4e2F-4x9TOYAhViA9aqhc4Dr1ItdsMN9YBrmtUnrayy-e5IySlL5SSeioFDpqNoTJkhYAVTxI1txkEQHfp9TPhrE9YBtfEvSfWlC2BXzq3ByR_hd-9a-HmVFdGphoL8JynHpJ3bMaPg_8k8oyCIF4cjS9wQL45TG63grICFViw0gVCUSVuiWjvNtw~~) |
| Ugur Avci, Rehab Lara Al Botros, Pasquale Franciosa |

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| [Effect single-stage and three-stage aging treatment on the microstructure, phase composition, and mechanical properties of laser-welded joint Al-Cu-Li alloy](https://links.springernature.com/f/a/CO4bz5ewIfQoz7sYUgNZ1Q~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8Ca9nzRROrc-x2ELb27dLVo4QdsLIIdHQfHz-VUUMH5cAiPSn5p5Fv09IoUKVtmCVKLXfgODKAhOh1vl7pf8EAJtu5FTIlxTukfC4FVfRtMH0y1qsF8aMkvZRL5p-rHZdfIFd4iOBIkJgJ1fAmxYnxXMRTXNUoYKXxT5bMsf7eX1AGlSf8GGk4ojIdp2lSQ522fUN62bt__iLGpvhLvs85shilMltpAsKFRzf7iZkivVfb6hRYZ3XJDmsSSKF30HwQ~~) |
| Alexandr Malikov, Maria Mironova, Igor Vitoshkin, Egor Beglyarov, Ilya Gertsel, Evgeniy Karpov, Kirill Zakharchenko, Alexey Zavyalov |

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| [Influence of cobalt addition in the fusion zone of duplex stainless steel welded with pulsed Nd:YAG laser](https://links.springernature.com/f/a/x1atXOBWW_EaBRulHyxNOw~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8MM4WjphIiiL0BDRnsdmesflYNnTsM7Dluo5_DYv4wlpIcHlJywZX9aUyD0mYLSpaY4z63tX98hCV8I9jq1uZWoTyEvcunD09cfjnpT5XWYfcNDdtCxw-P-JQ_lhe4ugf4n4c7Bvm20YKWDmsUF_zerQR2BbJHQVurvRsePyU6OdUMmcil416dV00r53Sg45M6LMw0crY4pNyv6cdSDtjIAYCEW6IHsgR9Gf26Tj0zZCyFhTjJmq6S9Tnd2Rzt_38Q~~) |
| Eli Jorge da Cruz Junior, Francisco Mateus Faria de Almeida Varasquim, Vicente Afonso Ventrella, Irene Calliari, Claudio Gennari, Bruna Berbel Seloto, Andrea Zambon, Alessio Giorgio Settimi |

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| [Impact of beam oscillation and power modulation on the intermixing behavior of dissimilar titanium/niobium/nitinol joints during micro electron beam welding](https://links.springernature.com/f/a/OmoUD1BuSiiGj-1fFiaiuQ~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8MR1ck3mzK2vQbaI3NL-gHpTaP-zKn-U3599FF_zHbHXgU5cqNCT-Te32wH5d3UkV-5YfIn-wFv7lvdbIdnDtI2KsPJqGrEzQlyDLR-2fitl-kn6lLsKFEZNBwy47c8V3zIp0_mWvzyxQaAMXSfD5wRMErxm7mHSxcY1LZWI3FaPG_ZutmC9xwGFZxpgcrmHonieWDicJ714ob-40qTN9EdqUY2QwndfDG80yTxCDqI7e9-Eog-FD8SMrhYoPlXGMQ~~) |
| Michael Wiegand, Johannes-Seneca Loose, Martin Kahlmeyer, Wenwen Song, Stefan Böhm |

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| [Influence of quality features, disturbances, sensor data, and measurement time on quality prediction for ultrasonic metal welding](https://links.springernature.com/f/a/BUTEThvIwspP8dRWPeGCGg~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28hVcm_9PG9HU48bsSLHjgkM-RdEJ-D4mxpF1Pi3rwTpPeaXrV60MPuhCenboZDXgd_RiaZv31qMkLXzDwn8zAQHoYm1u37I0hsJocA3zsdb_p2Zl4l8d1tVYDlvN0YCm6xliO7Hg8XYvpvlR9ueu5Ulgh2_uwgNkugsm23-NAsN1jttE3pgaW5Oso94PUOxEtamcPtH3w1TDZx15jAhtKwxBt5fHmglA4WMOG73NIcvmD1h6UrtJZF-eB9BLRP49x-eoBV_qYyryan2U_2WpKvg~~) |
| Florian Werner Müller, Christian Mirz, Alexander Schiebahn, Uwe Reisgen |

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| [Comprehensive analysis of friction stir welding of high-temperature P22 steel and Al 5052 alloy: metallurgical mixing, mechanical properties, and failure mechanism](https://links.springernature.com/f/a/4UmNR2Mle-CPAxor_oQ1pg~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28hVcm_9PG9HU48bsSLHjgkMXaYqmpgV6OLvAjllzYVCA9131NFUe4cyT9_GYStuACC_UEMyp6w2oczqC9fnwDvmroYqIVZ1ttk4Ja_miUstFw-o1KUgP_EMnljIfVLTdg0tEjrTA1bf5MLlfrh-L8_PzNDc87jZs_MmDA16srHEoISW3ReP1Zua9hFElTV4bC2AYGJsSAarcPe7v9aiX6mdp9kKcV6FBCeMoJpL4byi-C0qb89tJ9F2-2qUzBTyhDfav_CSNiM20qud6daqNLlg~~) |
| Pankaj Kaushik, Dheerendra Kumar Dwivedi |

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| [Experimental and computational analysis of thermal and mechanical characteristics in friction stir welding of dissimilar aluminum alloys with varying tool pin geometries](https://links.springernature.com/f/a/iN1MN-DDZHyWIO-CFvwPLA~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28hVcm_9PG9HU48bsSLHjgkI_5e7Pu38L5XTrplh1KHAyk9u7a25qdK1c8c1qvI8XlTaSUL7hCp3SoHfbMgZEFEMN2GI4-7KY5F1m6C8q7xJSy33P20N3kVeWbs2EoAMQIjhr-5xhk5KzI-mZaFvBh27qurkYjh9qxgY3Avx1qwrEGIqArCQ7kee66rm-nYQyjWL6vLShxRj7hwdXE82GmB-Q8Tdkjxdj01zi9AvGxqT8YosylV1rB5Wp7ee2KCKnbdCXHeBXeVmawuHttcKFlPg~~) |
| R. Manikandan, G. Elatharasan, A. Parthiban, T. G. Sakthivel, T. Gopalakrishnan, Ramesh Raju |

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| [Thermomechanical modelling to optimise friction stir welding of Ti-6Al-4V alloy validated by microstructural analysis](https://links.springernature.com/f/a/CpNKwxfs4BWOL9XkY-JIKQ~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO28hVcm_9PG9HU48bsSLHjgkIHbKRpmnJiVfazbgOU4XgdF8trhmjfCnTJxeJAOfuTCpkhJSq9691JexFnuVfUrcQRSeNY7ADsrKAaSpW8aNL92P48A1IfEGezX5iVeWuKwzKePV9ywIDgNJ3TQlUC4LQEx5NCtFOEncMgyyr_MyZg-O9-xVFwROTyEmDaVnC-CbeizyLo6xnzfd8gqA8L3uXAsaFaf0lp13-hH3ogyLicYksLRtH26VBjp-ClEPYYg_aUUfJUeLFpHrD4bos096w~~) |
| Masoumeh Faraji, Montadhar Al-Moussawi, Jonathan Martin |

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| [A suitable equivalent heat source for the transient simulation of thick FSW joining](https://links.springernature.com/f/a/ZUC9-VCpWIBOggzLuhCM0w~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8M9EkCw3nXd7dwAwf1MYfhtVnfnuoHO0dNg8ID-zWWbYVZUMuXr0cs_KYlhS74P9iKCUGKL4-t-qdv-BaPI79QgTQLXTB2S3N2JdSKMDsXAUGTobuPfyc2oyp-FyclLV3APAz-HpUzya4dm0uQS2El-Wnp1-N3KzmmstVwCkCpveE6-1mC8Qj_QYwGSCkYV16aT1B29j7wYKW_fTG6z1TZuDASgkWq7SogzFRGDqKpkvcIjxXHVY6vV4ewQUyDifoQ~~) |
| Rodrigue Urvoy, Eric Feulvarch |

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| [Microstructure and mechanical properties of diffusion bonding joints of 42CrMo steel and tin bronze with nickel interlayer](https://links.springernature.com/f/a/x9pejEH3PPF3aH2wuQ1cvA~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8Gcx5KnRClGFcLNQd5UIPwDDHpmNy-hyx6efnx6ljTuUdjF3orzvo0NHZ_MAebJCTUf7CReK31yp7pGA7HodyCtSfA-8PIVM7OYwCAsIvbl0cjI8W4zHi2Y4-s4AIAOdazeqK_Upc6ZCD62Pv-LfOsCzAGzmK-JXO9dsn07yPUCckJLzONR9AQq7gMhl1mvtApaAtDFwitb29sSf4JErw7zJ9E0D9AStU2-p7JnLx9nJYPx_qjJ_zqSU1diZzA2MDg~~) |
| Junyang Ye, Xianfen Li, Siyuan Li, Ruize Jiang, Peng Hua, Dashuang Liu |

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| [Effect of tool diameter on the performance of 6061-T6 aluminum alloy in refill friction stir spot welding zone](https://links.springernature.com/f/a/u1ZgOxSw8_YdL0a6cKA5eQ~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8CiaCJ7PmsENFfKzx1VzB79eBCilROSUbbTWwPnZPupPayjBpTvicUqr-MBy7Aeh_o3cm2HgIC2-dq-xb7KI87qDMZXlNOLqTbfpsPZMx9hgtYpt9_arleBcSUU8bOgIY5-d_DJvsmv5VHovIfUMUGYIpS13XH02E0EShxjeOoTwSJo3WG82huFDaV2PJJJCJkYnDPwXWUM9OPFWz_TPuJVWusBUlwWf-FMrs0V59EUC53BuCHTFdXG5h5ZtFluvVw~~) |
| Di Jiang, I. N. Kolupaev, HongFeng Wang, Xiaole Ge |

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| [On the role of rotational speed in P-FSSW dissimilar aluminum alloys lap weld](https://links.springernature.com/f/a/cKM-Q7dj7goOK5YDEV01Og~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8KIgZHLqT0tPIcpgSEOQ2XuuKuHopaVXqB2CmlWpRUnRryVTQqEFAVO-IrXOfAA_2SY0eoL3Waldb0hmVJElkNdIuQMUdYhjjgqde__Qdsh2CPQ7Rp8nVJQNIKW8oWLcTO3D_sG6l6F1xajl26Q1wsHlFwCpdY4TOYh8DcbeJ2AZVH8mUhE9alrvepHHXOnbWRS7kcl3KOK0vsVaMNE3sJiIt7Xk1-t02Yi091c22ZcZvbB5Ty9P5_pE2UQ_GoQMig~~) |
| Mariia Rashkovets, Giuseppe Dell’Avvocato, Nicola Contuzzi, Davide Palumbo, Umberto Galietti, Giuseppe Casalino |

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| [Effect of Zn coating on the friction stir lap welding of galvanized DP590 high strength steel plates](https://links.springernature.com/f/a/OfgFej_JWhA2SddqnTMt8g~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8PGO5pJrjf76C1A66HkCiJ1AlX2VsIxe7X8lOtBqVS2YPBizhzh7zUoh8Jh65eTSYEszQ9VmtadLs3GQQKSpM5bNqqyqI0Vs4BNPEKUausO6fV5H4GcxnjzK_iDaAps5z7qDKMTk3C81abjz3JPGek0WdFCSLSFXfi4DlNAZrdvUnHqV5ks_5tzkmgc45CICz2_S6N06B7v2qoMZW9EKPLr7a_jHArb_M5F82AcZTeC6Km5zdN-oJs5YbG95E0DewA~~) |
| Xiangxiang Zhu, Pengcheng Zhu, Zeyu Rong, Binbin Wang, Yufeng Sun, Lihong Wu, Shaokang Guan |

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| [Effect of vacuum brazing and rotary friction welding on microstructure and mechanical properties of laminated steel and nickel alloy joints](https://links.springernature.com/f/a/q0kHS_NT6oDZCcK7eh7E-A~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8DtMl07ljDHBJbAds4i04HPwMz_YSS21fYWJszPh_S-USvq-q2suQ1dpTi1SBxM2lbcIolnuJNfUwC6TxQbzAuy7mhPA5djQjM8VnKikjR3QsAnHGy7pfDxX8o0mDdE0Y6AEtp0rW9sArAejb04i6xLnbA_HOVvNPO7Zs9yV8V1Rn-ufdUFGAINgE9bA0h_iQt3tVmLceb-CVFzTw4MFHi09U5Nd3vbAVkdiL8K0KoTUYsZnfN-rU7lyzjOR0JcXdg~~) |
| Eero Scherman, Jiayi Chen, Kalle Lipiäinen, Charles Nutakor, Hemantha Kumar Yeddu, Jussi Sopanen |

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| [Effect of Zn interlayer on joint characteristics of dissimilar friction stir welding of Mg and Cu alloy](https://links.springernature.com/f/a/41erWVexuhTTsBTdohzNqQ~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8FMmCxdc4OZQhabGeXhq6pXq7oCTFQc3hKSki_Lqr9CVvEZJYWuC37ozCio4xYq5Vas9eLhqnLqsseM5mogNty1L45r1lizTmDr_aFp0KVqykhIu91By4LyyVzVH_-6JxtzvkuisUC_SOfMRN2F1neU0kKByTCWClPMm9AnWwMWBIShaXmIqw3-RWV1r4kBlrCfHmN2QLKu0W8RnSWsy09kQWTtGzW0rjJHu6BKwAdZgNK3t0bBSVh9b5vroL0XiUQ~~) |
| Abhijeet Bhowmik, Satya Kumar Dewangan, Pragya Nandan Banjare, Manoranjan Kumar Manoj |

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| [Shunt current-assisted one-step resistance element welding of vibration-damping aluminum to ultra-high-strength hot-press-formed steel](https://links.springernature.com/f/a/7UuZIZ9-0t0Y2WWP5fJxNQ~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8ErRMwIikPYGpW2BxK-OUplidLnxvFE3ulc19ZJM8de5fPFnhkHODw0boQPFCVM8HtuXk-kpEoFwtBFJD3Rps1-TKLMeNbqQiUYjBLZounbr_vwyo0Z1b82H8Gr3Njfm0Wp800cEnnD3wUoKLblJCNLi0vNAI3JEx9KqbMyJE-CXsAg3PCPq-44IEfm82OE514PFsS4TFu4DrPr8nBMJmrZ9laovytW_Qkmhv1_awZCV1dJ9jLnOqHjEooRwJroz7w~~) |
| EunBeen Gong, Sunusi Marwana Manladan, Nellikode Savyasachi, Siva Prasad Murugan, Ki-Man Bae, Jong-Jin Baek, Changwook Ji, Yeong-Do Park |

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| [Behaviour of resistance spot welded thermomechanically rolled high strength steel under tensile shear and cross-tension loads](https://links.springernature.com/f/a/dPxFTs1u2XGATK98sKi6Yw~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8Ozm_05gWU33wBDSla_FZjtchfaedBWols-kIkAs-vpBytwJFoXUTuWRsVsUoyYU6AV3mku0BTozL_ZDBjOz8jlHuO5U8v-WnYjrn1bFFkClmLDNtA287uU904IEGlKeyIqAn3V8YFT6PwXf6qDTNAFlJYE5mzhU0V3OapEzDMDcO-hbStQmX4vllYY4dm-5VWBRtF1o3jFQnP_myvKnZNpDMIYG-PsG1YCCdO__s0bponV7CDg-EJg_x6Yq9IiPjw~~) |
| István Borhy, Marcell Gáspár |

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| [Microstructure and strength characteristics of Al 5052-SS 304 explosive clads obtained in open-air and underwater conditions](https://links.springernature.com/f/a/CVZBP-5n6ZpKlkoX861hhw~~/AABE5hA~/0Idy42FwidPcSTZWfCohJ5D7Rd9XN4FtVL42DLYjBGPH2jgK7Tr05bxZGDSRwO289dbvuCHJ-R0ropfUMMEM8P8JKbXjC-kPBXOCa9zlDNteSFF0GVfaVMehw_IWsrNd5UwlYJc4INt1xM2MXc486zO1yskxIoWPBOnJMTaFYhwPxfe2dgeLzLIE-JoR7yYZrViPTBrYzfZFbtdAoRwgitxewatG3z25R3k62_TpensURS5LXVXr3G9NstLy2QPZBjuQEKshcpXBIZ-sQy_VrNjsoiIOv04MWvW1dKC9PKChLUh_IHwmnC8EA6Qugimb6SEGvpcrA8cD2deRJxx8lQ~~) |
| S. Saravanan, Bir Bahadur Sherpa |

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