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| J. C. Lippold, S. Egerland, R. Shaw, E. Raufelder |

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| Emmanuel Reyes-Gordillo, Arturo Gómez-Ortega, Ricardo Morales-Estrella, James Pérez-Barrera, Juan Manuel Gonzalez-Carmona, Ramiro Escudero-García, Juan Manuel Alvarado-Orozco |

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| Maximilian Gierth, Nils Michael, Philipp Henckell, Jan Reimann, Jörg Hildebrand, Jean Pierre Bergmann |

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| Sebastian Manzke, Moritz Krümmer, Franz Urlau, Achim Mahrle, Uwe Füssel, Christoph Leyens |

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| Savyasachi Nellikode, Sunusi Marwana Manladan, Ilguk Jo, Seung-Jin Jung, In-Chan Kim, Hyungkwon Park, Dae-Geun Nam, Yeong-Do Park |

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| [Effects of post-weld heat treatment on microstructure and mechanical properties of the welded joints by using multi-principal filler materials](http://links.springernature.com/f/a/t51YWJaEwDbPlj6yjYTWiw~~/AABE5gA~/RgRmb_VvP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTUyNy0xP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N183JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzA2MTdXA3NwY0IKZH9vcI1kQYosAVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Dejia Liu, Chongling Ni, Xuean Zha, Longzhi Zhao, Yu Sun |

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| [Copper-aluminium joining by novel locked projection welding process](http://links.springernature.com/f/a/o_i1l056NWZ-bcYzvcf3nQ~~/AABE5gA~/RgRmb_VvP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTUwNi02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N183JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzA2MTdXA3NwY0IKZH9vcI1kQYosAVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Arnout Dejans, David Moens, Patrick Van Rymenant |

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| R. Bakhtiari, H. Nikukar, M. Divandari, E. Biro |

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| Hongli Xu, Xiangfan Fang |

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| [Microanalysis of TiN phases formed in inclusions of electrogas weld metal](http://links.springernature.com/f/a/0JMzj6I5mavwP3B7AIj4iA~~/AABE5gA~/RgRmb_VvP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTUxOC0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N183JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzA2MTdXA3NwY0IKZH9vcI1kQYosAVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Kangmyung Seo, Yongjoon Kang, Hee Jin Kim, Joong Geun Yoon |

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| [The influence of aging times at 650 °C on the microstructure of dissimilar laser welded joints of GH159/GH4169 superalloy](http://links.springernature.com/f/a/wDtSU1Vge2TxIokY8RbQag~~/AABE5gA~/RgRmb_VvP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTUyMC04P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N183JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzA2MTdXA3NwY0IKZH9vcI1kQYosAVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Dan Zhao, Qian Ran, Song Xiang, Shuang Hu, Yuanbiao Tan, Wei Shi |

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| [Towards real-time monitoring of metal transfer and melt pool temperature field in gas metal arc directed energy deposition](http://links.springernature.com/f/a/biMJhpzA2SFn1Gn2wbM_cA~~/AABE5gA~/RgRmb_VvP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTUzNC0yP3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N183JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzA2MTdXA3NwY0IKZH9vcI1kQYosAVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Prashant Kumar Chaurasia, Sven Frithjof Goecke, Amitava De |

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| [Weld penetration control of wire-filled pulsed gas tungsten arc welding of pipe in the horizontal position](http://links.springernature.com/f/a/p6xmX_f7nV8d6q_8m055Gw~~/AABE5gA~/RgRmb_VvP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTUxNi00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N183JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzA2MTdXA3NwY0IKZH9vcI1kQYosAVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Zhijiang Wang, Zitong Zeng, Shaojie Wu, Xinxin Shu, Chengfeng Wu, Dongpo Wang, Shengsun Hu |

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| [Fatigue design and assessment guidelines for high-frequency mechanical impact treatment applied on steel bridges](http://links.springernature.com/f/a/GCcY6z-87p8DpZQu89DHNQ~~/AABE5gA~/RgRmb_VvP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTUyMi02P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N183JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzA2MTdXA3NwY0IKZH9vcI1kQYosAVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Hassan Al-Karawi |

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| [A novel approach to prediction of welding residual stress and distortion](http://links.springernature.com/f/a/0SvrAobp65L74BqxZ1y9DQ~~/AABE5gA~/RgRmb_VvP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTUwMi13P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N183JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzA2MTdXA3NwY0IKZH9vcI1kQYosAVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| Mitchell R. Grams |

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| [Local approaches for the fatigue strength assessment of brazed joints made of X5CrNi18-10 and Cu 110 considering brazed seam quality and failure behavior](http://links.springernature.com/f/a/p85DsIt681r47RTd1ZHpqA~~/AABE5gA~/RgRmb_VvP0SbaHR0cHM6Ly9saW5rLnNwcmluZ2VyLmNvbS9hcnRpY2xlLzEwLjEwMDcvczQwMTk0LTAyMy0wMTUyNC00P3V0bV9zb3VyY2U9dG9jJnV0bV9tZWRpdW09ZW1haWwmdXRtX2NhbXBhaWduPXRvY180MDE5NF82N183JnV0bV9jb250ZW50PWV0b2Nfc3ByaW5nZXJfMjAyMzA2MTdXA3NwY0IKZH9vcI1kQYosAVISY3dzLWFuYkBjd3MtYW5iLmN6WAQAAAce) |
| A. Jöckel, J. Baumgartner, W. Tillmann, J. Bültena, K. Bobzin, H. Heinemann, M. Erck |

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