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| [The use of the *JV* parameter for fatigue life prediction in complex welded joints](https://links.springernature.com/f/a/Oo6q1qlZaGwvvayLkXTI4Q~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNpSB0zE4rgC_Xods2fOdKplWcbdcW9_wJmmL1U9hC-aJ0HYm561i6ge8zB7P7o4epc2TpfrPMzSIyEsoy81a9Thypl0JiqM79cZkntFvuKhOy9eK-hVDvpn4GS7b0TREUhMlhsMAWdzkkYrb1KmcjTzzkmgtnfaW4KJShWNpyWX6mL9lk6MC_Fyh0mb08irs3xLXAjtW1nFDuFrJgIGEGe-Wb8lsXJ-IyrrrLx2ZM1PehZ7YeY2P1ZLkcIalnNrLgx2u9XrXSjAUNip7vgZntwyQ~~) |
| Paolo Livieri |

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| [Data-driven fatigue assessment of welded steel joints based on transfer learning](https://links.springernature.com/f/a/Jn3vB1D9tmGYzI_jKouKhA~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNpSB0zE4rgC_Xods2fOdKplU7XPe2ur91tliZEC82L8mPfsNO8Hfwl624nyQNSLIx-xGFKQMP6-QX28IVSNV1ZQcG51Z6OlC-5tM9ZRgZEq7q-nmlAOrlotieujS_zN7GNyHxkyUx1kvbiYmMDmQCFDdbto3bbtXMqf6n3_u8R1iDDk2FcmdQyY_MPVd-sy47PcACqlVUQwdJGHhhP6wHXS8XNMyLkkAHry3laL6e7UEC5RFalS3ydHKh-5X0I9q9BLfSpPaiMoRXU-HiRnkembw~~) |
| Jan Schubnell, Sascha Fliegener, Johannes Rosenberger, Sascha Feth, Moritz Braun, Marten Beiler, Jörg Baumgartner |

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| [Extending fatigue life of weld roots in fillet-welded cover plates by installing tap bolt joints](https://links.springernature.com/f/a/6IWjCctKUUYKu4iQhEpkbA~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNpSB0zE4rgC_Xods2fOdKplTlzl0rcD2ufnBr7qN6Y26nxNrA75DTB-6w-ca-Al1PxFbUTo6QOOBbP8qM9jgRoHZ2R7uDZ_GClopwF4QGhrki6kjikuE249gxqYcsC4dbLtkR_c8eDJ2crepV1HF-qGD0zL2FrbG64ZbzBkW48guG5GizQfToIvGAYuT0wWFqlr-d5N03qUvbruyv3m_z_1MMRr-pwBLX4xHXA4RKrq0qPM6Taqi6TR1Rah7Jr6C9wRpqnkMtRgLQrAraJEQa8Kg~~) |
| Yuichiro Niwa, Kazuo Tateishi, Takeshi Hanji, Masaru Shimizu |

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| [Fatigue performance of welded joints made of high-strength steel under variable amplitude loading conditions and varying mean stress](https://links.springernature.com/f/a/l9wve-ECcnOOV07EqAGd6g~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNpSB0zE4rgC_Xods2fOdKplZClZbALy1ByLg2awSqRv2-HZYnLgFKG8x4w-h5_w1blxV9O2w6KApa-4CVzuuOtyeSrLlA6CHL_-GjOiaAbdxaKDX2Fx4MZ0qLTnY9u3rSoj3lfiDYVBoW-mCF0uypMeM9Y7ZOG7v3-WF9HgfEAIoS-z6CfXEa12ZKcms48ocx0VDoiXHRmDgHo5mFx_Mtu98wF5jvwzWXaZw3VOQxAd3dwKCVsNRciL289cmjHCVadHOySUdsz9g0LkjdqiDDZig~~) |
| Kiia Grönlund, Antti Ahola, Kalle Lipiäinen, Tero Pesonen, Timo Björk, Masoud Moshtaghi |

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| [Multiscale fatigue assessment of wire arc additively manufactured aluminium alloys with experimental and simulation approach](https://links.springernature.com/f/a/ds8ITW5EFx3A0YsPMTNBUA~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNpSB0zE4rgC_Xods2fOdKplRyUETEVeHH1h91pAqlqvBtZMUdpeebq1BvG8Ygc_JHE_cAqACq-GTJQpqKxFJso4wx0kBcmSJWQCemPI-AGOyQ7BD3ZDBH-k1ivgOm5BLERDVtSMv5cydRHj00Kn541bzqkaj9CbqVe7JpVSgh87i0O4Bn0181wMlKREkdsEZ2bl7wHRLe9jTgmzzdfUJ46ZzF4-bAC2U5yGY8RLG2sGf3iHgdur_f7sTrdg3oypwp487DHG325SyOXhn7e3Rg_AA~~) |
| Mahdieh Safyari, Masoud Moshtaghi |

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| [Fatigue strength assessment of additively manufactured component considering local quality](https://links.springernature.com/f/a/rsDhxWjASr6EzqQNUNEcoQ~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHYSjkAwVv7dpVMyMngqLgz4ieTmpzaVb-7AowjMHTxdlgoeLjMzzEY8HK_YHfoRSnwDSB96HIRkR6gfpkbcd3ImJqJf0iFTFze7pTdTTRD_LCojpSiWd1pIPvZmjxifmNwRn7Q5aRGVf2RMYWD5uPs2W1t1lxCLC5PMMwaLzMboSzP-g85b9P-8Qhl4OsLVVdEjGS0hSq7upFneWL052sQJlzKFQ460EK-ysoYe6wAo8xqViTaWhGCPd_Fkj_M4Pug~~) |
| Kalle Lipiäinen, Antti Ahola, Hannu Lund, Sakari Penttilä, Nima Razavi, Tuomas Skriko, Jonas Hensel, Masoud Moshtaghi, Timo Björk |

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| [Fatigue strength assessment of welded steel fasteners using structural stress concept with consideration of the mounting pre-load](https://links.springernature.com/f/a/yHEbsCZjHflsLHzdKFQfRg~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHfWs2Vtj1aeg_0RaE5MJCv0Fw0L3rO2hSWbjTWw2uC7ybnlA4nZIBS6vcI7mfCYxQAB62fPWBSzq16FP2wqNAIvHRiRmswwDI1F6tp67nhK-mZ-SyYiv6H-WZhNz3ZQfzQzcXdb-128b3m1RhzSek6CPzrjsGR01e5Y5mYOaNQSTxl90ogiaHNjOxkdCNtfAGu0Zak7AxfWUKAWxrrRPEwXdeHLCPbYEHmNP6Je-243eufVy3D_uB53xhkYDQM9AJg~~) |
| A. Jöckel, J. Baumgartner, B. Möller, M. Timmermann, H. T. Beier, P. Yadegari |

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| [An investigation of compressive mean stress effect on fillet welded joints with high strength steel](https://links.springernature.com/f/a/FM96O_Cy7hY4uuIpK5AE2w~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHVYT4h8lxcuq-84m6Md_VCVvlENVD-a1LsJma1BaoPgEcPkitdi0tCMBl8ati8JZBgM-pGVS5a0DE-1eRqEGltbZUCqFlFivYOah80yNU9wg0-yKPx-bAVqwSyMq6KtdBp3fJzrW6X3EszYUE_4X7peNCLG0-LIbzkxi2wef0pdO5xA0v-FUZ89Qop9bjrv1NEkr4y9tOVwhgSIW1KzZFCxmmiOTRL6MsXmrnlWzHV4kMhV6yMvkHHpb1x3-XIcu4w~~) |
| Ji Hoon Kim, Seong Won Jang, Myung Hyun Kim |

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| [Fatigue performance of explosion-cladded steel-to-aluminum transition joints for marine applications](https://links.springernature.com/f/a/6KqXBa4xwUp9-ntQWkuNBQ~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHb4h3RJz3_wZAVwWDVbdwfuMJpWlhpR8MXZT2ni-d4XGz44REzLw69NyVgz5RL52UyDv090bgZQUtiIS7dhz8QhdoEGUD-Wmv9e_CKbJ9MSRP5CvLnKRWwgw8pIZOKSYvlhYVLD60r-8uJ3w-nf0qgdSx37572DxCrDdFh0Rm7gbko2bajP5o5Bbz-LhC3SWxyawEn7khBbKthnezz4NZNa20wePWrsKP7m-EP7pKNqZ6__0PJOZr443jsd7BZ98qQ~~) |
| Kalle Lipiäinen, Shahriar Afkhami, Juho Havia, Antti Ahola, Masoud Moshtaghi, Timo Björk |

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| [Round-robin study on the determination of weld geometry parameters—part B: analysis of welded specimen](https://links.springernature.com/f/a/qHPfHyKxT-0DndTA__SeKw~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHcQIpp_dyj4MpI5-jZQ2xQEF2Pdn-8Pi1Hc1z7eWTQGWPsrCAjkOXuagsbBA49Mnb6Bx4aaJiqbts2YqqTs9qAo2-xQWdn4ox1_9Yr-OG1mKI8OT1hGc-j1j8jQyaVrsuDeQUn3UZATaAdaZfqMC4eI2CrZv55N6m5VDkzSxOgsaKhGuRSOoGg-k3jV8UevDHGIcT_e6X1k1PFviI1GePWy_kdikYHL4WfW9njJtEAPY0yTrwTRXVjLxMIbPlD8NOg~~) |
| Finn Renken, Jan Schubnell, Matthias Jung, Moritz Braun, Heikki Remes |

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| [Fatigue behaviour of 12-month corroded offshore steel joints under accelerated salt spray exposure: an experimental and numerical analysis](https://links.springernature.com/f/a/kwne16RYdCPNxh2UBoxVow~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHQO5J-xEXr39TVMZODVdbcyB9a8KPqsrLYp8wAGWkDT924aPBkjh8NofoBUlj5MsX6K-L-IEkYNADdKuCOBSKia_6ESbdsfss422RjuQIFhgMOFmOEU2uqDm3XWnB2ThxWuQtr7amSOUFXg7dIba74p4vXVQe8WXNm6Mprxkg4UkT02jKvIPI2KRrvlhlCLIGAI0Vx7Bx6e6rOMdHuSQUm0A7WQqWv945CJo8-jWYuX5voNaxGcWoVzP5r_mH71DEg~~) |
| Sulaiman Shojai, Kram Kabha, Christian Woitzik, Moritz Braun, Elyas Ghafoori |

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| [Fatigue Strength Evaluation of Welded Joints Based on Notch Strains and the Influence of Weld Modelling](https://links.springernature.com/f/a/h2bHO7Lec3LXsMqqWp-TSQ~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHY1_HXnFgjwLO3oIY3Pz6PPpybbGqZ13y-pnZCBKImznBA7ju5z-56UpXryp-EbNFyA2DyLlEUSJWUex7WKdOFPZdaXC4qWSQKbAzZFrrMItyEYTLXhkV2WGoMGuGqbiJDw9fPvld9H4PYW5Ytp93oOSiJOkiPyX6QSUjgUSMoY8lixKNb4QTeY2wg3-YXZxqi2VUIYAsqTQ9Tej9X-dVAXzeoCeTaF481Z5W_vkKAgTtdIO4HY0ae5K3zEoM-mFfg~~) |
| Josef Neuhäusler, Maximilian Kling, Klemens Rother |

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| [Influence of a preload on the fatigue behaviour of S355 and S700 cruciform joints](https://links.springernature.com/f/a/D1FnT9_IJjigrt5GiNIpsQ~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHbxQK67vsy9iC5JN8WWimGyAGmw5OGcY-xQYKXgojX8UIya396LS2i67Kgo_mpsnyB6Lwcb1QxhfyXZ3W9qwXn4oXVq1o_f65lGdgakAl9JcCCC5i_HCZuj6ePKdy3tYs042N-f5lOxlnYqEDV785ta_ZJ3WwhII1xb7lSuzd19RXILFSSYUl3O9cvLKzcewLQZGQjw4vr6jDOQrauAF4PJlFTwQ0qI8Qoy8bZ3kmApDl3qF8WksaWy4nmvcjIazVQ~~) |
| Lauriane Guilmois, Isabel Huther, Laurent Jubin, Fabien Lefebvre, Vincent Leray |

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| [Multiaxial fatigue life calculation of welded joints made of ductile materials](https://links.springernature.com/f/a/DaCpLS_Aiql_-87gkvfPMg~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHXlMcvpBL6i9ByHjFcVfTYDC2GjIkwGrW5-guZryTAXZGKBSzsgW1hi4epsV_Jm7bDniLMXkQFONyqJmRz_AiwxVf_weEkZ9pccmUeTweHHiapokseZrtpxq6Lt6XO1GDYxeAHcqsjx3bi7iHAI4hC-zSEZv-YSVzG3Sbhp0eYEkpPtg-RxRcoggBop6AAb777oumYlyZUvmYpOmtz7y7Q3NYoD7Nv3beLyybFBWaQcesmu8zsA227NU7lPRl-LNbA~~) |
| Niklas Michael Bauer, Jörg Baumgartner |

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| [Static strength assessment of a carbon steel S235 non-load-carrying fillet weld](https://links.springernature.com/f/a/xSx7DBoxw_BwCHX7e7Ffrg~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHUXtTzVA59VKp_dJPmEbMRAvFmpvvwvBtJtpFI8kcP7-2jR7bO0wObpwfX9DiFC_P_0U9im9hSOsRiwkMx4E2Z9qdKsw7pu8qVkE_vDsxbK8fG4QmmelNMBHqzLaaTt43nXpSvMRGZuy-jHIymIxevEGQolzWLCSkYkOlOzhOhJLOiMaeqguTauaUd5Necog3-yCFRLAtUh2jKttVT21CbLVRMS38ryu00A-HlJVno9e8o9SDqC7CwdQ4ZaHf6kRaw~~) |
| Jozef Dlugoš, Róbert Gális, Lubomír Drápal |

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| [Fatigue strength assessment of HFMI-treated steel joints under bending loading](https://links.springernature.com/f/a/p66ADjkuZIIvegA8STo01A~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHRVpvW3dbn2wAMS55fLamDz-7l4zQ848NQJQw0dOqOw6JbUMnm_2Ury-Haa72dBlfMl2IJMpfMtP1oFMAYayHRbewyqmqO7AQr126aoIl1T20o531b1gUG8eVnQtcNj7Hvf5IfFZ9ogUnLftFyWnfyz5oKzQxFSkpkhYU35_W-KJImpokuceY1ezrO7baSfnMYvorlMPINwkc1TkS19A4raqRnVFCBUDV_PQm4cjNAKnvXJXEGgVC_UxjpCpyyJz9g~~) |
| Martin Leitner, Antti Ahola, Masoud Moshtaghi, Timo Björk, Peter Brunnhofer, Christian Buzzi |

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| [Evaluation of crack depth impact on HFMI-treated pre-fatigued welded bridge details](https://links.springernature.com/f/a/IJ0OYEQ7ElbDRVeg1n-r4w~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNp0K7w79-FcB9m0xVhrntJHZEpTOZFyWLH1aiGxSLmtI4ZVrqu17uX6dqCWyit338QLG0hLJncsynqfL28Zoy8Mjv1dAfRa7iXhU_GmDyDGwMvvAAdKiVDb_dSkiwuK5oBoRKA4xu2tUvhhLgimhoHIy5JG9_3e_Tb7iDaAFNdCUaNuMqPinrl9rS3izQr3xzLEe3JI7V_muxhHmgB2dMk2lO-TM2H0iDjbEq1KSrgFrr4N8dm-IO_i2ZO_RhvxAZn2AzZFw6cU28JH1imAd1U-g~~) |
| Martin Edgren, Joakim Hedegård, Zuheir Barsoum |

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| [Design of T-type sonotrode for ultrasonic welding of large cross-sectional area wire harnesses](https://links.springernature.com/f/a/Ue9wu-fRZbg8TYPgHV6ulg~~/AABE5hA~/rqTKh4UNsfUBoEJ-bksBTwxAr1bxPNXkzvqqSdyeQv2dP57rG7iFQNH_2298TPNpSB0zE4rgC_Xods2fOdKplaSAIHnPE4M2qh5RP6AZNbqlAM6B16HgHmbjWwmqJE2cR4E5vtcaYUyM4DsoEUR1wJiWVkGb_HBoWF5EfwHMdp5Tcwe1I23CcqchgJgk9MOPDGcx9nVmeKQeZ1-aeOUA5mq30y_T1H2HfXqOw5zB3HCbsH4DCD8JhD0Uzj0p2QL1mG8yARsKS49dOnHvtLYWRTERS2ypjxoLFGOdhhMajvzMJc8UjJSniy1dNMJfcIIC_rGWMSzW5NpjskfWDAJfbw~~) |
| Zhen Yao, Lechen Zeng, Jiahong Chen, Xiaolong Jian |

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| Xiaoyu Guan, Mikihito Hirohata, Kyong-Ho Chang |

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| Mahdi Karimi, Narges Mokhtari, Jasmin Jelovica |

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| Shazia Muzaffer, Kyong-Ho Chang, Mikihito Hirohata |

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