

DAFTAR PUSTAKA

- [1] E. Georgantzia, M. Gkantou, GS. Kamaris, KD. Kansara, Design of aluminium alloy channel sections under minor axis bending, *Thin-Walled Structures*, 174(2022) 109098. doi: <https://doi.org/10.1016/j.tws.2022.109098>.
- [2] VN. Kale, J. Rajesh, T. Maiyalagan, CW. Lee, RM. Gnanamuthu, Fabrication of Ni–Mg–Ag alloy electrodeposited material on the aluminium surface using anodizing technique and their enhanced corrosion resistance for engineering application, *Materials Chemistry and Physics*, 282(2022) 125900. doi: <https://doi.org/10.1016/j.matchemphys.2022.125900>.
- [3] RD. Ardika, T. Triyono, N. Muhyat, A review porosity in aluminum welding, *Procedia Structural Integrity*, 33(2021) 171-180. doi: <https://doi.org/10.1016/j.prostr.2021.10.021>.
- [4] Q. Li, S. Zhao, X. Bao, Y. Zhang, Y. Zhu, C. Wang, Y. Lan, Y. Zhang, T. Xia, Effects of AlCoCrFeNiTi high-entropy alloy on microstructure and mechanical properties of pure aluminum, *Journal of Material Science & Technology*, 52(2020) 1-11. doi: <https://doi.org/10.1016/j.jmst.2020.04.008>.
- [5] J. Wu, Y. Li, G. Sun, S. Chen, Experimental and numerical analyses of the hysteretic performance of an arched aluminium alloy gusset joint, *Thin-Walled Structures*, 171(2022) 108765. doi: <https://doi.org/10.1016/j.tws.2021.108765>.
- [6] A. Sahoo, S. Tripathy, Development in plasma arc welding process: A review, *Materials Today: Proceedings*, 41(2021) 363-368. doi: <https://doi.org/10.1016/j.matpr.2020.09.562>.
- [7] S. Kumar, Singh, Optimization of process parameter of metal inert gas welding with preheating on AISI 1018 mild steel using grey based Taguchi method, *Measurement*, 148(2019) 106924. doi: <https://doi.org/10.1016/j.measurement.2019.106924>.
- [8] S. Li, H. Dong, X. Wang, Z. Liu, Z. Tan, L. Shangguan, Q. Lu, S. Zhong, Effect of repair welding on microstructure and mechanical properties of 7N01 aluminum alloy MIG welded joint, *Journal of Manufacturing Processes*, 54(2020) 80-88. doi: <https://doi.org/10.1016/j.jmapro.2020.03.009>.
- [9] V. Kumar, M. Mittal, D. Goyal, T. Goyal, RV. Dang, S. Bahl, Mechanical and microstructural behaviour of weldment of two low alloy steels using MIG, *Materials Today: Proceedings*, 45(2021), 5303-5307. doi: <https://doi.org/10.1016/j.matpr.2021.01.902>.
- [10] S. Lin, YL. Deng, JG. Tang, SH. Deng, HQ. Lin, LY. Ye, XM. Zhang, Microstructures and fatigue behavior of metal-inert-gas-welded joints for extruded Al-Mg-Si alloy, *Materials Science & Engineering A*, 745(2019) 63-73. doi: <https://doi.org/10.1016/j.msea.2018.12.080>.
- [11] M. Komarasamy, C. Smith, J. Darsell, W. Choi, S. Jana, G. Grant, Microstructure and mechanical properties of friction stir welded Haynes 282, *Materials Characterization*, 182(2021) 111558. doi: <https://doi.org/10.1016/j.matchar.2021.111558>.

- [12] ST. Azeez, PM. Mashinini, Radiography examination of friction stir welds of dissimilar aluminum alloys, Materials Today: Proceedings, 62(2022), 3070-3075. doi: <https://doi.org/10.1016/j.matpr.2022.03.225>.
- [13] AN. Rao, LS. Naik,C. Srinivas, Evaluation and Impacts of Tool Profile and Rotational Speed on Mechanical Properties of Friction Stir Welded Copper 2200 Alloy, Materials Today: Proceedings, 4(2017), 1225-1229. doi: <https://doi.org/10.1016/j.matpr.2017.01.141>.
- [14] P. Yong, S. Changbin, Z. Yadong, C. Ying, Comparison of Electrochemical Behaviors between FSW and MIG joints for 6082 Aluminum alloy, Rare Metal Materials and Engineering, 46(2), 0344-0348. doi: [https://doi.org/10.1016/S1875-5372\(17\)30092-9](https://doi.org/10.1016/S1875-5372(17)30092-9).
- [15] M. Dehgani, A. Amadeh, SAAA. Mousavi, Investigations on the effect of friction stir welding parameters on intermetallic and defect formation in joining aluminium alloy to mild steel, Materials and Design, 49(2013) 433-441. doi: <http://dx.doi.org/10.1016/j.matdes.2013.01.013>.
- [16] W. Xu, H. Wang, Y. Luo, W. Li, MW. Fu, Mechanical behavior of 7085-T7452 aluminum alloy thick plate joint produced by double-sided friction stir welding: Effect of welding parameters and strain rates, Journal of Manufacturing Processes, 35(2018) 261-270. doi: <https://doi.org/10.1016/j.jmapro.2018.07.028>.
- [17] M. Marichamy, S. Babu, The selection of optimum process parameter on A310 aluminum alloy in friction stir welding MCDM method, Materials Today: Proceedings, 37(2021) 228-231. doi: <https://doi.org/10.1016/j.matpr.2020.05.080>.
- [18] SK. Sahu, D. Mishra, RP. Mahto, VM. Sharma, SK. Pal, K. Pal, S. Banarjee, P. Dash, Friction stir welding of polypropylene sheet, Engineering Science and Technology, an International Journal 21(2018) 245-254. doi: <https://doi.org/10.1016/j.jestch.2018.03.002>.
- [19] SK. Dewangan, MK. Tripathi, MK. Manoj, Effect of welding speeds on microstructure and mechanical properties of dissimilar friction stir welding of AA7075 and AA5083 alloy, Materials Today: Proceedings, 27(2020) 2713-2717. doi: <https://doi.org/10.1016/j.matpr.2019.12.190>.
- [20] HJ. Liu, JC. Hou,H. Guo, Effect of welding speed on microstructure and mechanicsl properties of self-reacting friction stir welding 6061-T6 aluminum alloy, Materials and Design, 50(2013) 872-878. doi: <http://dx.doi.org/10.1016/j.matdes.2013.03.105>.
- [21] V. Haribalaji, S. Boopathi, MM. Asif, Optimization of friction stir welding process to join dissimilar AA2014 and AA7075 aluminum alloys, Materials Today: Proceedings, 50(2022) 2227-2234. doi: <https://doi.org/10.1016/j.matpr.2021.09.499>
- [22] K. Zhang, S. Yu, Preparation of wear and corrosion resistant micro-arc oxidation coating on 7N01 aluminum alloy, Surface & Coatings Technology, 388(2020) 125-453. doi: <https://doi.org/10.1016/j.surfcoat.2020.125453>
- [23] JER. Dhas, KAS. Lewise, G. Laxmi, Submerged arc welding process parameter prediction using predictive modeling techniques, Materials Today: Proceedings, 64(2022) 402-409. doi: <https://doi.org/10.1016/j.matpr.2022.04.757>

- [24] MV. Shezian, R. Ramadoss, K. Giridharan, G. Chakravathi, B. Stalin, Comparative study of friction stir welding process and its variables, Materials Today: Proceedings, 33(2020) 4842-4847. doi: <https://doi.org/10.1016/j.matpr.2020.08.394>
- [25] HG. Nosrati, NM. Yazdani, M. Khoran, Double-sided friction stir welding of AA 2024-T6 joints: Mathematical modeling and optimization, CIRP Journal of Manufacturing Science and Technology 36(2022) 1-11. doi: <https://doi.org/10.1016/j.cirpj.2021.10.010>
- [26] GL. Klein, Aluminum toxicity to bone: A multisystem effect?, Osteoporosis and Sarcopenia, 5(2019) 2-5. doi: <https://doi.org/10.1016/j.afos.2019.01.001>
- [27] HJ. Whitlow, L. Wang, E. Guibert, C. Degryny, Investigations of minor elements in early aluminium artefacts, Nuclear Inst. and Methods in Physics Research B, 450(2019) 291-293. doi: <https://doi.org/10.1016/j.nimb.2018.08.019>
- [28] D. Ashkenazi, How aluminum changed the world: A metallurgical revolution through technological and cultural perspectives, Technological Forecasting & Social Change, 143(2019) 101-113. doi: <https://doi.org/10.1016/j.techfore.2019.03.011>
- [29] R. Shi, AA. Luo, Applications of CALPHAD modeling and databases in advanced lightweight metallic materials, Calphad, 62(2018) 1-17. doi: <https://doi.org/10.1016/j.calphad.2018.04.009>
- [30] RV. Vignesh, R. Padmanaban, Intergranular corrosion susceptibility of friction stir processed aluminium alloy 5083, Materials Today: Proceedings, 5(2018) 16443-16452. doi: <https://doi.org/10.1016/j.matpr.2018.05.143>
- [31] G. Zhu, X. Cui, Y. Zhang, S. Chen, M. Dong, H. Liu, Q. Shao, T. Ding, S. Wu, Z. Guo, Poly (vinyl butyral)/Graphene oxide/poly (methylhydrosiloxane) nanocomposite coating for improved aluminum alloy anticorrosion, Polymer, 172(2019) 415-422. doi: <https://doi.org/10.1016/j.polymer.2019.03.056>
- [32] E. Georgantzia, M. Gkantou, GS. Kamaris, Aluminium alloys as structural material: A review of research, Engineering Structures, 227(2021) 111371. doi: <https://doi.org/10.1016/j.engstruct.2020.111372>
- [33] D. Brough, H. Jouhara, The aluminium industry: A review on state-of-the-art technologies, environmental impacts and possibilities for waste heat recovery, International Journal of Thermofluids, 1-2(2020) 100007. doi: <https://doi.org/10.1016/j.ijft.2019.100007>
- [34] KD. Tsavdaridis, E. Efthymiou, A. Adugu, JA. Hughes, L. Grekavicius, Application of structural topology optimisation in aluminium cross-sectional design, Thin-Walled Structures, 139(2019) 372-388. doi: <https://doi.org/10.1016/j.tws.2019.02.038>
- [35] T. Satish, SD. Kumar, S. Karthihick, Modelling and analysis of different connecting rod material through finite element route, Materials Today: Proceedings, 21(2020) 971-975. doi: <https://doi.org/10.1016/j.matpr.2019.09.139>
- [36] R. Anand, VG. Sridhar, Studies on process parameters and tool geometry selecting aspects of friction stir welding – A review, Materials Today: Proceedings, 27(2020) 576-583. doi: <https://doi.org/10.1016/j.matpr.2019.12.042>

- [37] MG. Joseph, J. Shaji, M. Francis, A. Raghavan, K. Shunmugesh, Measurement of Tensile Properties and Hardness of Friction Stir Welded Aluminium Alloy AA1200, Materials Today: Proceedings, 24(2020) 1987-1993. doi: <https://doi.org/10.1016/j.matpr.2020.03.627>
- [38] SP. Shrivastava, GK. Agrawal, S. Nagpal, AK. Vishvakarma, AK. Khandelwal, Dissimilar aluminum alloy joint strength is effected by heat addition in friction stir welding (FSW), Materials Today: Proceedings, 44(2021) 1472-1477. doi: <https://doi.org/10.1016/j.matpr.2020.11.639>
- [39] C. Zhang, W. Wang, X. Jin, C. Rong, Z. Qin, A Study on Microstructure and Mechanical Properties of Micro Friction Stir Welded Ultra-Thin Al-1060 Sheets by the Shoulderless Tool, Metals, 9(5), 507. doi: <https://doi.org/10.3390/met9050507>
- [40] MM. El-Sayed, AY. Shash, M. Abd-Rabou, MG. Elsherbiny, Welding and processing of metallic materials by using friction stir technique: A review, Journal of Advanced Joining Processes, 3(2021) 100059. doi: <https://doi.org/10.1016/j.jajp.2021.100059>
- [41] AA. Eliseev, TA. Kalashnikova, DA. Gurianov, VE. Rubstov, AN. Ivanov, EA. Kolubaev, Ultrasonic assisted second phase transformations under severe plastic deformation in friction stir welding of AA2024, Materials Today Communications, 21(2019) 100660. doi: <https://doi.org/10.1016/j.mtcomm.2019.100660>
- [42] P. Chen, S. Zou, J. Chen, S. Qin, Q. Yang, Z. Zhang, Z. Jia, L. Zhang, T. Jiang, Q. Liu, Effect of rotation speed on microstructure evolution and mechanical properties of nugget zone in 2195-T8 Al-Li alloy friction stir welding joints, Materials Characterization, 176(2021) 111079. doi: <https://doi.org/10.1016/j.matchar.2021.111079>
- [43] J. Chen, H. Fujii, Y. Sun, Y. Morisada, K. Kondoh, Optimization of mechanical properties of fine-grained non-combustive magnesium alloy joint by asymmetrical double-sided friction stir welding, Journal of Materials Processing Technology, 242(2017) 117-125. doi: <http://dx.doi.org/10.1016/j.jmatprotec.2016.11.021>
- [44] I. Hejazi, SE. Mirsalehi, Effect of pin penetration depth on double-sided friction stir welded joints of AA6061-T913 alloy, Trans. Nonferrous Met. Soc. China, 26(2016) 676-683. doi: [https://doi.org/10.1016/S1003-6326\(16\)64158-4](https://doi.org/10.1016/S1003-6326(16)64158-4)
- [45] P. Sonia, V. Verma, KK. Saxena, N. Kishore, RS. Rana, Effect of cryogenic treatment on mechanical properties and microstructure of aluminium 6082 alloy, Materials Today: Proceedings, 26(2020) 2248-2253. doi: <https://doi.org/10.1016/j.matpr.2020.02.488>
- [46] M. Shunmugasundaram, AP. Kumar, NK. Amudhavali, S. Sivasankar, Parametric optimization on tensile strength of friction stir butt joints of dissimilar AA6061 and AA5052 aluminium alloys by Taguchi technique, Materials Today: Proceedings, 27(2020) 1258-1262. doi: <https://doi.org/10.1016/j.matpr.2020.02.166>
- [47] Y. Wang, G. Li, Y. Wang, Y. Lyu, Simplified method to identify full von Mises stress-strain curve of structural metals, Journal of Constructional Steel Research, 181(2021) 106624. doi: <https://doi.org/10.1016/j.jcsr.2021.106624>

- [48] B. Guo, L. Zhang, L. Gao, T. Zhang, F. Jiang, L. Yan, The correction of temperature-dependent Vickers hardness of cemented carbide base on the developed high-temperature hardness tester, *Journal of Materials Processing Tech.*, 255(2018) 426-433. doi: <https://doi.org/10.1016/j.jmatprotec.2017.12.041>
- [49] M. Peng, H. Liu, Y. Xuan, X. Liu, L. Xu, Z. Yu, Evaluation of the microstructural and mechanical properties of ductile cast iron and alloy steel dissimilar materials welded by magnetically impelled arc butt, *journal of materials research and technology*, 15(2021) 4623-4635. doi: <https://doi.org/10.1016/j.jmrt.2021.10.059>
- [50] Hendrato, Jamasri, Triyono, P. Puspitasari, Mechanical Properties and Microstructure Evolution of Double-Sided Friction Stir Welding AA-6061-T6, *Key Engineering Materials*, 935(2022) 73-81. doi: <https://doi.org/10.4028/p-08610s>.
- [51] Y. Yu, P. Wang, X. Pei, P. Dong, H. Fang, Fatigue resistance characterization of frictions stir welds between complex aluminum extrusions: An experimental and finite element study, *International Journal of Fatigue*, 141(2020) 105861. doi: <https://doi.org/10.1016/j.ijfatigue.2020.105861>
- [52] J.R. Deepak, V.K. Bupesh Raja, D. Srikanth, H. Surendran, M.M. Nickolas, Non-destructive testing (NDT) techniques for low carbon steel welded joints: A review and experimental study, in: *Mater Today Proc*, Elsevier Ltd, 2021: pp. 3732–3737.1. <https://doi.org/10.1016/j.matpr.2020.11.578>.
- [53] Das, D., Bag, S., Pal, S., & Sharma, A. Material Defects in Friction Stir Welding through Thermo–Mechanical Simulation: Dissimilar Materials with Tool Wear Consideration. *Materials*, 16(2022). <https://doi.org/10.3390/ma16010301>.
- [54] R. Ranjan, A.R. Khan, C. Parikh, R. Jain, R.P. Mahto, S. Pal, S.K. Pal, D. Chakravarty, Classification and identification of surface defects in friction stir welding: An image processing approach, *J Manuf Process*. 22 (2016) 237–253. <https://doi.org/10.1016/j.jmapro.2016.03.009>.
- [55] Li, B., Shen, Y., & Hu, W. The study on defects in aluminum 2219-T6 thick butt friction stir welds with the application of multiple non-destructive testing methods. *Materials and Design*, 32(2011), 2073–2084. <https://doi.org/10.1016/j.matdes.2010.11.054>.
- [56] Mahto, R. P., Kumar, R., & Pal, S. K. (2020). Characterizations of weld defects, intermetallic compounds and mechanical properties of friction stir lap welded dissimilar alloys. *Materials Characterization*, 160. <https://doi.org/10.1016/j.matchar.2019.110115>.
- [57] N. Dialami, M. Cervera, M. Chiumenti, Defect formation and material flow in Friction Stir Welding, *European Journal of Mechanics, A/Solids*. 80 (2020). <https://doi.org/10.1016/j.euromechsol.2019.103912>.
- [58] Ranjan, R., Khan, A. R., Parikh, C., Jain, R., Mahto, R. P., Pal, S., Pal, S. K., & Chakravarty, D. (2016). Classification and identification of surface defects in friction stir welding: An image processing approach. *Journal of Manufacturing Processes*, 22, 237–253. <https://doi.org/10.1016/j.jmapro.2016.03.009>.

- [59] M. Reimann, J. Goebel, T.M. Gartner, J.F. dos Santos, Refilling termination hole in AA 2198-T851 by refill friction stir spot welding, *J Mater Process Technol.* 245 (2017) 157–166.
<https://doi.org/10.1016/j.jmatprotec.2017.02.025>.
- [60] Safeen, M. W., & Spena, P. R. (2019). Main issues in quality of friction stir welding joints of aluminum alloy and steel sheets. *Metals*, 9(5).
<https://doi.org/10.3390/met9050610>.
- [61] Yuan, X., Zhang, Z., Gao, Q., Zhou, L., Song, K., Zou, X., Sopu, D., Hu, L., Sun, B., & Eckert, J. (2022). Enhanced mechanical properties of Zr65Cu15Ni10Al10bulk metallic glass by simultaneously introducing surface grooves and multiple shear bands. *Journal of Materials Research and Technology*, 21, 1490–1506. <https://doi.org/10.1016/j.jmrt.2022.09.117>.
- [62] N.Z. Khan, A.N. Siddiquee, Z.A. Khan, S.K. Shihab, Investigations on tunneling and kissing bond defects in FSW joints for dissimilar aluminum alloys, *J Alloys Compd.* 648 (2015) 360–367.
<https://doi.org/10.1016/j.jallcom.2015.06.246>.
- [63] R. Zettler, T. Vugrin, M. schmücker, Effects and defects of friction stir welds, in: *Friction Stir Welding: From Basics to Applications*, Elsevier Ltd, 2009: pp. 245–276. <https://doi.org/10.1533/9781845697716.2.245>.
- [64] Y.S. Sato, H. Takauchi, S.H.C. Park, H. Kokawa, Characteristics of the kissing-bond in friction stir welded Al alloy 1050, *Materials Science and Engineering A* 405 (2005) 333–338.
<https://doi.org/10.1016/j.msea.2005.06.008>.
- [65] M. Kadlec, R. Růžek, L. Nováková, Mechanical behaviour of AA 7475 friction stir welds with the kissing bond defect, *Int J Fatigue*. 74 (2015) 7–19.
<https://doi.org/10.1016/j.ijfatigue.2014.12.011>.
- [66] P. Priya, D.R. Johnson, M.J.M. Krane, Precipitation during cooling of 7XXX aluminum alloys, *Comput Mater Sci*. 139 (2017) 273–284.
<https://doi.org/10.1016/j.commatsci.2017.08.008>.
- [67] Y. Wang, G. Zhao, L. Sun, X. Wang, Z. Lv, Y. Sun, Effects of billet heating temperature and extrusion speed on the microstructures and mechanical properties of the longitudinal welds in aluminum alloy profiles with complex cross-section, *Vacuum*. 207 (2023).
<https://doi.org/10.1016/j.vacuum.2022.111578>.
- [68] H. Jo, M. Kang, G.W. Park, B.J. Kim, C.Y. Choi, H.S. Park, S. Shin, W. Lee, Y.S. Ahn, J.B. Jeon, Effects of cooling rate during quenching and tempering conditions on microstructures and mechanical properties of carbon steel flange, *Materials*. 13 (2020). <https://doi.org/10.3390/MA13184186>.
- [69] K. Aruna Prabha, P. Kumar Putta, B.S. Prasad, Effect of Tool Rotational Speed on Mechanical Properties Of Aluminium Alloy 5083 Weldments in Friction Stir Welding, 2018.
[www.sciencedirect.comwww.materialstoday.com/proceedings2214-7853](http://www.sciencedirect.com/www.materialstoday.com/proceedings2214-7853).
- [70] B.V.G. de Viveiros, R.M.P. da Silva, U. Donatus, I. Costa, Welding and galvanic coupling effects on the electrochemical activity of dissimilar AA2050 and AA7050 aluminum alloys welded by Friction Stir Welding (FSW), *Electrochim Acta*. (2023) 142196.
<https://doi.org/10.1016/j.electacta.2023.142196>.

- [71] G.D. Sun, L. Zhou, Y.N. Liu, H.F. Yang, J.T. Jiang, G.A. Li, Microstructure characterization and evaluation of mechanical properties in 2A97 aluminum-lithium alloys welded by stationary shoulder friction stir welding, *Journal of Materials Research and Technology.* 16 (2022) 416–432. <https://doi.org/10.1016/j.jmrt.2021.12.004>.
- [72] G.D. Sun, L. Zhou, Y.N. Liu, H.F. Yang, J.T. Jiang, G.A. Li, Microstructure characterization and evaluation of mechanical properties in 2A97 aluminum-lithium alloys welded by stationary shoulder friction stir welding, *Journal of Materials Research and Technology.* 16 (2022) 416–432. <https://doi.org/10.1016/j.jmrt.2021.12.004>
- [73] J. Qian, J. Li, F. Sun, J. Xiong, F. Zhang, X. Lin, An analytical model to optimize rotation speed and travel speed of friction stir welding for defect-free joints, *Scr Mater.* 68 (2013) 175–178. <https://doi.org/10.1016/j.scriptamat.2012.10.008>.
- [74] M.M.Z. Ahmed, B.P. Wynne, W.M. Rainforth, P.L. Threadgill, Microstructure, crystallographic texture and mechanical properties of friction stir welded AA2017A, *Mater Charact.* 64 (2012) 107–117. <https://doi.org/10.1016/j.matchar.2011.12.005>.
- [75] B.B. Jung, H.K. Lee, H.C. Park, Effect of grain size on the indentation hardness for polycrystalline materials by the modified strain gradient theory, *Int J Solids Struct.* 50 (2013) 2719–2724. <https://doi.org/10.1016/j.ijsolstr.2013.05.002>.
- [76] G.M.F. Essa, H.M. Zakria, T.S. Mahmoud, T.A. Khalifa, Microstructure examination and microhardness of friction stir welded joint of (AA7020-O) after PWHT, *HBRC Journal.* 14 (2018) 22–28. <https://doi.org/10.1016/j.hbrcj.2015.05.002>.
- [77] K. Yu, X. Shi, Z. Jiang, C. Li, S. Chen, W. Tao, X. Zhou, Z. Li, Effects of solution treatment on grain coarsening and hardness of laser welds in UNS N10003 alloy contained different carbon content, *J Mater Sci Technol.* 35 (2019) 1719–1726. <https://doi.org/10.1016/j.jmst.2019.03.016>.
- [78] S. Milenkovic, I. Sabirov, J. Llorca, Effect of the cooling rate on microstructure and hardness of MAR-M247 Ni-based superalloy, *Mater Lett.* 73 (2012) 216–219. <https://doi.org/10.1016/j.matlet.2012.01.028>.
- [79] A. Laska, M. Szkodo, P. Cavaliere, A. Perrone, Influence of the tool rotational speed on physical and chemical properties of dissimilar friction stir welded AA5083/AA6060 joints, *Metal (Basel).* 12(2022). <https://doi.org/10.3390/met12101658>.
- [80] Y. Ye, W. Lei, ZX. Guo, Performance of concrete-filled stainless steel tubes subjected to tension: Experimental investigation, *Thin-Walled Structure.* 148 (2020) 106602. <https://doi.org/10.1016/j.tws.2020.106602>.
- [81] E.L. Nitu, M. Diakhat'e, C. Badulescu, M. Gr'ediac, B. Blaysat, D.M. Iordache, A. Bosneag, J. Adrien, E. Maire, M. Dhondt, Y. Demmouche, Analyzing defects and their effects on the strength of a three-layer FSW joint by using X-ray microtomography, localized spectrum analysis, and acoustic emission, *Material Characterization.* 190 (2022) 112069. <https://doi.org/10.1016/j.matchar.2022.112069>
- [82] A. Kubit, T. Trzepiecinski, E. Gadalska, J. Slota, W. Bochnowski, Investigation into the Effect of RFSSW Parameters on Tensile Shear Fracture

- Load of 7075-T6 Alclad Aluminium Alloy Joints, Materials. 14 (2021) 3397.
<https://doi.org/10.3390/ma14123397>
- [83] Kubit, T. Trzepiecinski, R. Kluz, K. Ochalek, J. Slota, Multi-Criteria Optimisation of Friction Stir Welding Parameters for EN AW-2024-T3 Aluminium Alloy Joints, Materials. 15 (2022) 5428.
<https://doi.org/10.3390/ma15155428>
- [84] Y. Yu, P. Wang, X. Pei, P. Dong, H. Fang, Fatigue resistance characterization of frictions stir welds between complex aluminum extrusions: An experimental and finite element study, Int J Fatigue. 141 (2020).
<https://doi.org/10.1016/j.ijfatigue.2020.105861>.
- [85] E.L. Nitu, M. Diakhaté, C. Bădulescu, M. Grédiac, B. Blaysat, D.M. Iordache, A. Bosneag, J. Adrien, E. Maire, M. Dhondt, Y. Demmouche, Analyzing defects and their effects on the strength of a three-layer FSW joint by using X-ray microtomography, localized spectrum analysis, and acoustic emission, Mater Charact. 190 (2022). <https://doi.org/10.1016/j.matchar.2022.112069>.