

ABB annetas ülikoolile keevitusroboti

Mente et Manu 2008 / 12. sept., lk. 3 : fot https://www.ester.ee/record=b1242496*est

Advanced multiphase tribo-functional PTA hardfacings = Mitmeefaasilised kulumiskindlad PTA-keevispinded

Zikin, Arkadi 2013 <https://digi.lib.ttu.ee/i/?908> https://www.ester.ee/record=b2956356*est

Alumiiniumi jootmine

Raadiotehnika 1935 / lk. 110

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Grünreich, E. Tehnika Kõigile 1938 / lk. 85-86

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Analysis of barrier inhomogeneities of P-type Al/4H-SiC Schottky barrier diodes

Ziko, Mehadi Hasan; Koel, Ants; Rang, Toomas; Toompuu, Jana Silicon Carbide and Related Materials 2019 : Selected peer-reviewed papers from International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), September 29 - October 4, 2019, Kyoto, Japan Materials science forum 2020 / p. 960-972 <https://doi.org/10.4028/www.scientific.net/MSF.1004.960>
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Application of statistical methods in assessing the quality of welding

Stepanov, Aleksandr; Laansoo, Andres Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 287-289

Arcatom-keevitamine

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Clamp mode package diffusion welded power SiC Schottky diodes

Korolkov, Oleg; Kuznetsova, Natalja; Rang, Toomas BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 55-58 : ill

Cold metal transfer (CMT) welding of thin sheet metal products

Talalaev, Robert; Veinthal, Renno; Laansoo, Andres; Sarkans, Martinš Estonian journal of engineering 2012 / p. 243-250 : ill

Comparative characteristics of 6H- and 4H-SiC surfaces in diffusion welding

Korolkov, Oleg; Rang, Toomas Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 4, p. 347-353 : ill

Comparative characteristics of diffusion welded Al contacts to 6H- and 4H-SiC substrates

Korolkov, Oleg; Rang, Toomas The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 23-26 : ill

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Sleptšuk, Natalja; Korolkov, Oleg; Land, Raul; Toompuu, Jana; Annus, Paul; Rang, Toomas BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 39-42 : ill http://www.ester.ee/record=b2150914*est

Comparative study of adhesive wear for CoCr, TiC-NiMo, WC-Co as potential FSW tool materials

Kolnes, Mart; Kübarsepp, Jakob; Sergejev, Fjodor; Kolnes, Märt Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 224-228 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.224> [Conference proceedings at Scopus](#) [Article at Scopus](#)

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Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Ciuplys, Antanas; **Viljus, Mart;** Zaldarys, Gintautas Materials science = Medžiagotyra 2018 / p. 172-176 : ill <https://doi.org/10.5755/j01.ms.24.2.19121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Kuznetsova, Natalja Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 162-165 : ill

Complementary education welding engineers in Estonia

Laansoo, Andres Proceedings of the Second International Conference on Education in Welding 2000 / p. 48-51

Compound carbide composites produced by diffusion bonding

Kübarsepp, Jakob; Klaasen, Heinrich; Laansoo, Andres EURO PM2001 : [European Congress and Exhibition on Powder Metallurgy] : October 22-24, 2001, Nice, France. Vol. 1 : proceedings 2001 / p. 158-163 : ill

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Verbytskyi, Ievgen; Bondarenko, Oleksandr; **Liivik, Elizaveta** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2017.8124846>

Development of coarse recycled hardmetal reinforced hardfacings = Taaskasutatava jämekõvasulamarmatuuriga kõvapinnete arendus

Simson, Taavi 2018 <https://digi.lib.ttu.ee/i/?9946> https://www.ester.ee/record=b5054964*est

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Korolkov, Oleg; Sleptšuk, Natalja; Toompuu, Jana; Rang, Toomas Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 67-70 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/359>

Diffusion welding and brazing of tungsten free hardmetals

Laansoo, Andres; Kübarsepp, Jakob; Klaasen, Heinrich Proceedings of 7th International Conference "Brazing, High Temperature Brazing and Diffusion Welding" : June 15-17, 2004, Aachen, Germany 2004 / p. 27-30

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Korolkov, Oleg; **Rang, Toomas** 43. Internationales Wissenschaftliches Kolloquium, 21.-24.09.1998 1998 / p. 47-48

Diffusion welding techniques for power SiC Schottky packaging

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Dahms, Steffen 2011 <https://digi.lib.ttu.ee/i/?605>

A digital measuring system for robot welding quality estimation

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Effect of Local Remelting and Recycled WC-Co Composite Reinforcement Size on Abrasive and Erosive Wear of Manual Arc Welded Hardfacings

Katinas, Egidijus; **Antonov, Maksim**; Jankauskas, Vytenis; **Goljandin, Dmitri** Coatings 2023 / art. 734

Effect of new technology implementation on welding quality and productivity

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Sundaria, Ravi; Daem, Andries; Osemwinyen, Osaruyi; Lehtikainen, Antti; Sergeant, Peter; Arkio, Antero; **Belahcen, Anouar** Journal of Magnetism and Magnetic Materials 2020 / art. 166280 <https://doi.org/10.1016/j.jmmm.2019.166280> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Laansoo, Andres TKK Teataja : OÜ Tehnokontrollikeskus infoleht 2000 / 3, juuli, lk. 5 : fot

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Elektriline keevitamine väiketööstuses

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Friktsioon-jootmetall

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Toompuu, Jana; Korolkov, Oleg; Sleptšuk, Natalja; Voitovitš, Viktor; Rang, Toomas IEEE International Conference on Semiconductor Electronics CD-ROM Proceedings 2010 / [4] p <https://ieeexplore.ieee.org/document/5549505>

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2024 https://www.ester.ee/record=b5713882*est

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Joining of CrNi steel and AlMg alloy without interlayers

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2015 http://www.ester.ee/record=b4532450*est

Keevisõmbuste mittepurustav katsetamine [Võrguteavik] : katsetamine ultraheliga. Aktsepteerimise tasemed = Non-destructive testing of welds : ultrasonic testing. Acceptance levels (ISO 11666:2010)

2014 http://www.ester.ee/record=b4440720*est

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2015 http://www.ester.ee/record=b4456155*est

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2013 https://www.ester.ee/record=b2908427*est

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Keevitamine : laboratoorsete tööde juhend

1973 https://www.ester.ee/record=b1317423*est

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Laansoo, Andres 2010 https://www.ester.ee/record=b2623612*est

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Keevitamine [Võrguteavik] : metallmaterjalide tihvtkaarkeevitus = Welding : arc stud welding of metallic materials (ISO 14555:2017)

2021 https://www.ester.ee/record=b5455705*est

Keevitamine, kõvajoodisjootmine, pehmejoodisjootmine ja termolõikamine : protsesside nomenklatuur ja viitenumbrid = Welding, brazing, soldering and cutting : nomenclature of processes and reference numbers (ISO 4063:2023)

2024 https://www.ester.ee/record=b5682835*est

Keevitamise kasud

Käsitööstuskoja Teataja 1939 / lk. 60

Keevitamisest

Tehnika Kõigile 1937 / lk. 157-160 : fot

Keevitamistöõde kursused [Tallinnas : eelteade]

Tehnika Kõigile 1940 / lk. 99

Keevitus ja külgnevad protsessid : soovitud liidete ettevalmistuseks. Osa 1, Teraste käsikaarkeevitus, kaarkeevitus kaitsegaasis, gaaskeevitus, TIG-keevitus ja kiirguskeevitus = Welding and allied processes : recommendations for joint preparation. Part 1, Manual metal-arc welding, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steels (ISO 9692-1:2003)

2012 https://www.ester.ee/record=b2867061*est

Keevitus ja külgnevad protsessid [Võrguteavik] : keevisliidete tähistamine tingmärkidega joonistel = Welding and allied processes : symbolic representation on drawings. Welded joints (ISO 2553:2013)

2015 http://www.ester.ee/record=b4478056*est

Keevitus ja külgnevad protsessid [Võrguteavik] : protsesside nomenklatuur ja viitenumbrid = Welding and allied processes : nomenclature of processes and reference numbers (ISO 4063:2009, Corrected version 2010-03-01)

2016 http://www.ester.ee/record=b4604543*est

Keevitus ja külgnevad protsessid [Võrguteavik] : tingmärkidega tähistamine joonistel. Keevisliited = Welding and allied processes : symbolic representation on drawings. Welded joints (ISO 2553:2019)

2019 https://www.ester.ee/record=b5234002*est

Keevitus ja külgnevad protsessid. Metallide keevisliidete geomeetriliste defektide liigitus

Laansoo, Andres 2010 https://www.ester.ee/record=b2594992*est

Keevitus ja külgnevad protsessid. Metallide keevisliidete geomeetriliste defektide liigitus

Üksti, Lembit; Laansoo, Andres; Laurfeld, Toomas 2004 https://www.ester.ee/record=b1860516*est

Keevitus [Võrguteavik] : juhised eelkuumutustemperatuuri, läbimitevahelise temperatuuri ja eelkuumutuse hoidmistemperatuuri määramiseks = Welding : guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature (ISO 13916:2017)

2017 http://www.ester.ee/record=b4768949*est

Keevitus [Võrguteavik] : terase, nikli, titaani ja nende sulamite sulakeevitusliited (välja arvatud kiirguskeevituse meetodid) ; Kvaliteeditasemed keevitusdefektide järgi = Welding : fusion-welding joints in steel, nickel, titanium and their alloys (beam welding excluded) ; Quality levels for imperfections (ISO 5817:2003)

2015 http://www.ester.ee/record=b4502650*est

Keevitus. Teras, nikli, titaani ja nende sulamite sulakeevitusliited (välja arvatud kiirguskeevituse meetodid).

Kvaliteeditasemed keevitusdefektide järgi = Welding. Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded). Quality levels for imperfections (ISO 5817:2003)

2011 https://www.ester.ee/record=b2652603*est

Keevituse kvaliteedinõuded metallide sulakeevitusel. Osa 1, Sobiva kvaliteedinõuete taseme valiku kriteeriumid = Quality requirements for fusion welding of metallic materials. Part 1, Criteria for the selection of the appropriate level of quality requirements (ISO 3834-1:2005)

2011 https://www.ester.ee/record=b2708243*est

Keevituse kvaliteedinõuded metallide sulakeevitusel. Osa 5, Dokumendid, mis on vajalikud kvaliteedinõuete vastavushindamiseks standardi ISO 3834-2, ISO 3834-3 või ISO 3834-4 järgi = Quality requirements for fusion welding of metallic materials. Part 5, Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4 (ISO 3834-5:2005)

2011 https://www.ester.ee/record=b2743102*est

Keevituse kvaliteedinõuded. Metallide sulakeevitus. Osa 2, Laialdased kvaliteedinõuded = Quality requirements for fusion welding of metallic materials. Part 2, Comprehensive quality requirements (ISO 3834-2:2005)

2011 https://www.ester.ee/record=b2670351*est

Keevituse laboratoorsete tööde aruanded

1974 https://www.ester.ee/record=b2429980*est

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Laansoo, Andres Ehitaja 2003 / 9, lk. 54-56 : ill https://artiklid.elnet.ee/record=b1013482*est

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Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1997 / lk. 4-5 https://www.ester.ee/record=b5668719*est

Keevitusmaterjalid : standardid, markeering, koostis, omadused : [käsiraamat]

1995 https://www.ester.ee/record=b1068939*est

Keevitustehnika

Laansoo, Andres 1996 https://www.ester.ee/record=b1058609*est

Keevitustehnoloogia

Laansoo, Andres 2011 http://www.ester.ee/record=b2738782*est <https://digikogu.taltech.ee/et/Item/da9f0818-d5d9-4a5e-9355-ed5d225e09f3>

Keevitustehnoloogia. 2

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Keevitustööde atsetüleeniparaatidest

Truu, H. Tehnika Kõigile 1938 / lk. 113-116 : joon., fot

Keevitustööde koordineerimine : ülesanded ja kohustused = Welding coordination : tasks and responsibilities (ISO 14731:2006)

2011 https://www.ester.ee/record=b2670362*est

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Laansoo, Andres Ehitaja 2001 / 6, lk. 53-54 https://artiklid.elnet.ee/record=b1006982*est

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Kohase keevituselektroodi valimisest

Tedder, O. Tehnika Kõigile 1940 / lk. 217-219

Konstruksioonimaterjalide tehnoloogia : metallide keevitamine : õppevahend

Valdma, Leo 1992 https://www.ester.ee/record=b1063144*est

Kontrollproovimised kaartulekeetmisel

Treu, H. Tehnika Ajakiri 1933 / lk. 148-150 : joon

Kuidas tinutada malmi

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Tehnika Ajakiri ja Auto 1932 / lk. 72

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Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine

Tallermo, Harri 1998 https://www.ester.ee/record=b1060921*est

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine : keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004+A1:2008)

2011 https://www.ester.ee/record=b2730238*est

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine : keevitusprotseduuri katse. Osa 2, Alumiiniumi ja selle sulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 2, Arc welding of aluminium and its alloys (ISO 15614-2:2005)

2011 https://www.ester.ee/record=b2730254*est

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials. Welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004+A1:2008+A2:2012)

2013 https://www.ester.ee/record=b2908512*est

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine [Võrguteavik] : keevitusprotseduuri katse. Osa 1, Teraste kaar- ja gaaskeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, Corrected version 2017-10-01)

2018 https://www.ester.ee/record=b5145002*est

Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Osa 3, Keevitusprotseduuri katsed teraste kaarkeevitusel

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Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine [Võrguteavik] : keevitusprotseduuri katse. Osa 1, Teraste kaar- ja gaaskeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, Corrected version 2017-10-01+ISO 15614-1:2017/Amd 1:2019)

2019 https://www.ester.ee/record=b5272359*est

Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine [Võrguteavik] : üldreeglid = Specification and qualification of welding procedures for metallic materials : general rules (ISO 15607:2019)

2019 https://www.ester.ee/record=b5295429*est

Metallide sulakeevituse kvaliteedinõuded. Osa 1, Sobiva kvaliteedinõuete taseme valiku kriteeriumid [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 1, Criteria for the selection of the appropriate level of quality requirements (ISO 3834-1:2021)

2021 https://www.ester.ee/record=b5467471*est

Metallide sulakeevituse kvaliteedinõuded. Osa 2, Laialdased kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 2, Comprehensive quality requirements (ISO 3834-2:2021)

2021 https://www.ester.ee/record=b5435693*est

Metallide sulakeevituse kvaliteedinõuded. Osa 3, Standardised kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 3, Standard quality requirements (ISO 3834-3:2021)

2021 https://www.ester.ee/record=b5436439*est

Metallide sulakeevituse kvaliteedinõuded. Osa 4, Elementaarsed kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 4, Elementary quality requirements (ISO 3834-4:2021)

2021 https://www.ester.ee/record=b5436443*est

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Metallisääst keevitamise läbi

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Metallsete materjalide keevisliidete purustav katsetamine [Võrguteavik] : löökpaindekatsed. Katsekehade asukoht, soone asend ja uurimine = Destructive tests on welds in metallic materials : impact tests. Test specimen location, notch orientation and examination (ISO 9016:2012)

2019 https://www.ester.ee/record=b5199009*est

Metallsete materjalide keevisõmbuste purustav katsetamine : keevisõmbuste makroskoopiline ja mikroskoopiline uuring = Destructive tests on welds in metallic materials : macroscopic and microscopic examination of welds (ISO 17639:2022)

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2024 https://www.ester.ee/record=b5678158*est

Metallsete materjalide keevisõmbuste purustav katsetamine : paindekatsed = Destructive tests on welds in metallic materials : bend tests (ISO 5173:2023)

2024 https://www.ester.ee/record=b5678083*est

Metallsete materjalide keevisõmbuste purustav katsetamine : ristsuunalised tõmbekatsed = Destructive tests on welds in metallic materials : transverse tensile test (ISO 4136:2022)

2024 https://www.ester.ee/record=b5678037*est

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alumiiniumkonstruktsioonidele = Execution of steel structures and aluminium structures. Part 3, Technical requirements for aluminium structures

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