

Abrasive erosive wear of powder steels and cermets

Veinthal, Renno; Tarbe, Riho; Kulu, Priit; Käerdi, Helmo Wear 2009 / 11, p. 1838-1844 : ill

Abrasive impact wear and surface fatigue wear behaviour of Fe-Cr-C PTA overlays

Veinthal, Renno; Sergejev, Fjodor; Zikin, Arkadi; Tarbe, Riho; Hornung, J. 19th International Conference on Wear of Materials : Portland, Oregon, USA, 14-18 April 2013 : conference abstracts 2013 / [p. 98]

Abrasive impact wear and surface fatigue wear behaviour of Fe-Cr-C PTA overlays

Veinthal, Renno; Sergejev, Fjodor; Zikin, Arkadi; Tarbe, Riho; Hornung, Johann Wear 2013 / p. 102-108

<https://www.sciencedirect.com/science/article/pii/S0043164813000999>

Abrasive wear resistance of powder composite materials : characterization and prediction

Veinthal, Renno; Kulu, Priit; Pirso, Jüri; Käerdi, Helmo; Tarbe, Riho Tribology 2008 : proceedings of the 9th International Tribology Conference : University of Pretoria, South Africa, 2-4 April 2008 2008 / p. 1.3(1)-1.3(10)

Abrasive wear resistance of powder composites at abrasive erosion and abrasive impact wear

Kulu, Priit; Veinthal, Renno; Käerdi, Helmo; Tarbe, Riho Materials science 2008 / p. 328-332 : ill

Abrasive wear resistance of powder composites at AEW and AIW

Kulu, Priit; Veinthal, Renno; Käerdi, Helmo; Tarbe, Riho 17th International Baltic Conference : Materials Engineering 2008 : November 6-7, Kaunas, Lithuania : abstracts of papers 2008 / p. 62

Abrasivity study of materials used at abrasive tests

Kulu, Priit; Veinthal, Renno; Käerdi, Helmo; Tarbe, Riho Tribology 2008 : proceedings of the 9th International Tribology Conference : University of Pretoria, South Africa, 2-4 April 2008 2008 / p. 3.4(1)-3.4(10)

Advanced multifunctional materials and their applications

Antonov, Maksim; Hussainova, Irina; Kers, Jaan; Kulu, Priit; Kübarsepp, Jakob; Veinthal, Renno Research in Estonia : present and future 2011 / p. 146-167

Akadeemiline sullerlus kui akadeemilise vabaduse kuritarvitamine

Soomere, Tarmo; Veinthal, Renno Sirp 2016 / lk. 36-37 : ill https://artiklid.elnet.ee/record=b2757309*est <https://www.sirp.ee/s1-artiklid/c21-teadus/akadeemiline-sullerlus-kui-akadeemilise-vabaduse-kuritarvitamine/>

Aluminum based composite by novelty process : Repetitive Press Roll Bonding (RPRB)

Pramono, Agus; Kollo, Lauri; Veinthal, Renno Procedia chemistry 2015 / p. 473-479 : ill

<http://dx.doi.org/10.1016/j.proche.2015.12.081>

Characterisation and modelling of erosion wear of powder composite materials and coatings

Kulu, Priit; Veinthal, Renno; Käerdi, Helmo International journal of materials & product technology 2007 / 3/4, p. 425-447 : ill

Characterization and modelling of erosion wear of powder composite materials and coatings

Veinthal, Renno 2005 https://www.ester.ee/record=b2097488*est

Characterization and prediction of abrasive wear of powder composite materials

Veinthal, Renno; Kulu, Priit; Pirso, Jüri; Käerdi, Helmo Proceedings of Nordtrib 2008 : 13th Nordic Symposium on Tribology : Tampere, Finland, 10-13 June, 2008 2008 / ? p

Characterization and prediction of abrasive wear of powder composite materials

Veinthal, Renno; Kulu, Priit; Pirso, Jüri; Käerdi, Helmo Wear 2009 / p. 2216-2222 : ill

Characterization of powdermetal matrix composites for erosion wear applications

Veinthal, Renno; Kulu, Priit; Pirso, Jüri; Käerdi, Helmo Extended abstracts of 2006 Powder Metallurgy World Congress : Busan, Korea, September 24-28. 2 2006 / p. 1056

Characterization of the structure and modelling of wear composite with multimodal reinforcement powder materials and coatings [Electronic resource]

Kulu, Priit; Veinthal, Renno Proceedings of XIth International Conference on Composites/Nano Engineering : ICCE-12 : Tenerife, Spain 2005 / ? p. [CD-ROM]

Characterization of the structure and properties of composite powder materials and coatings

Veinthal, Renno; Kulu, Priit; Käerdi, Helmo Materials science = Medžiagotyra 2005 / 4, p. 376-380 : ill

Coatings and surface engineering. Industry oriented research

Veinthal, Renno; Kulu, Priit; Zikin, Arkadi; Sarjas, Heikki; Antonov, Maksim; Podgurski, Vitali; Adoberg, Eron Estonian

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 analysis of residual stresses in flame-sprayed and electrodeposited coatings using substrate deformation and hole-drilling methods

Lille, Harri; Kõo, Jakub; Rjabtšikov, Aleksander; Toropov, Stanislav; **Veinthal, Renno; Surženkov, Andrei** Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 474-479

Comparison of the wear and frictional properties of Cu matrix composites prepared by pulsed electric current sintering

Ritasalo, Riina; **Antonov, Maksim; Veinthal, Renno;** Hannula, Simo-Pekka Proceedings of the Estonian Academy of Sciences 2014 / p. 62-74 : ill https://artiklid.elnet.ee/record=b2665219*est

Comparison of values of residual stresses determined by various methods in hard nickel coatings prepared by brush-plating in sulfate solution

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; Reitsnik, Renno; **Veinthal, Renno; Mikli, Valdek; Sergejev, Fjodor** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 680-687 : ill

Composition and structure of bimodal WC-Co materials related to mechanical properties and abrasive wear

Yung, Der-Liang; Antonov, Maksim; Hussainova, Irina; Veinthal, Renno; Hogmark, Sture M2D2015 : proceedings of the 6th International Conference on Mechanics and Materials in Design, 2015 2015 / p. 655-664

Covalent coupling of ionic liquid to carbon nanotubes : preparation and tribological properties

Taaber, Triinu; Põhako-Esko, Kaija; **Antonov, Maksim; Veinthal, Renno** MRS proceedings 2014 / p. UU06-30 : ill

Description of punch wear mechanism during fine blanking process

Lind, Liina; Peetsalu, Priidu; Põdra, Priit; Adoberg, Eron; Veinthal, Renno; Kulu, Priit Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 504-509 : ill

Determination of mechanical properties of thin hard coatings using nanoindentation

Yaldiz, Can Emrah; **Veinthal, Renno; Gregor, Andre;** Georgiadis, Kyriakos 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 48

Determination of modulus of elasticity, nanohardness and residual stresses in brush-plated gold and silver coatings on copper substrate

Lille, Harri; Kõo, Jakub; Rjabtšikov, Aleksander; **Veinthal, Renno; Mikli, Valdek; Sergejev, Fjodor** Materials science = Medžiagotyra 2012 / p. 51-56 : ill

Determination of residual stresses in thermal and cold sprayed coatings by the hole-drilling method

Ryabchikov, Alexander; Lille, Harri; Toropov, Stanislav; Kõo, Jakub; Pihl, Toomas; **Veinthal, Renno** Materials science forum 2011 / p. 171-176

Digipööre ja 10 "eluaegset professorit"

Veinthal, Renno Mente et Manu 2017 / lk. 16-18 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_03_2017/mobile/index.html#p=1
https://artiklid.elnet.ee/record=b2820639*est

Digipööre TTÜs

Veinthal, Renno Postimees 2017 / lk. 20

Durability of complex shape punch in thick sheet metal fine-blanking

Veinthal, Renno; Peetsalu, Priidu; Saarna, Mart; Talkop, Adolf European Conference on Heat Treatment and 21st IFHTSE Congress : May, 12th-15th, 2014, Munich, Germany : proceedings 2014 / p. 399-406 : ill

Effect of hot isostatic pressing on cellular lattice structures obtained by selective laser melting [Electronic resource]

Holovenko, Yaroslav; Kollo, Lauri; Jõeleht, Marek; Pohlak, Meelis; Veinthal, Renno World PM2016 proceedings 2016 / [USB]

Effect of lattice surface treatment on performance of hardmetal - titanium interpenetrating phase composites

Holovenko, Yaroslav; Kollo, Lauri; Saarna, Mart; Rahmani Ahranjani, Ramin; Soloviova, Tetiana; **Antonov, Maksim; Prashanth, Konda Gokuldoss;** Cygan, Slawomir; **Veinthal, Renno** International journal of refractory metals and hard materials 2020 / art. 105087, 10 p. : ill <https://doi.org/10.1016/j.jirmhm.2019.105087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of oxidation on erosive wear behaviour of boiler steels

Antonov, Maksim; Veinthal, Renno; Huttunen-Saarivirta, E.; **Hussainova, Irina; Vallikivi, Ahto;** Lelis, Martynas; **Priss, Jelena**

Effect of temperature and load on three-body abrasion of cermets and steel

Antonov, Maksim; Hussainova, Irina; Veinthal, Renno; Pirso, Jüri Tribology international 2012 / p. 261-268 : ill
<https://www.sciencedirect.com/science/article/pii/S0301679X11002015>

Effect of temperature on erosive and abrasive wear of carbide reinforced powder steels

Veinthal, Renno; Antonov, Maksim Tribology 2011 : proceedings of the 10th International Tribology Conference, Pretoria, South Africa, 5-7 April 2011 2011 / p. 104-111 : ill

Environmentally assisted abrasive erosive wear of metals matrix composites [Electronic resource]

Veinthal, Renno; Kulu, Priit; Aulik, Allan; Siitonen, P. Conference on PM and Advanced Materials and Materials Technology Innovation : 27.-28.02.2005, Tampere, Finland 2005 / ? p. [CD-ROM]

Erosion and impact wear resistance of thermal sprayed coatings

Kulu, Priit; Tarbe, Riho; Veinthal, Renno Surface modification technologies : proceedings of the 20th International Conference on Surface Modification Technologies : September 25-29, 2006, Vienna, Austria 2007 / p. 94-99 : ill

Erosion and impact wear resistance of thermal sprayed coatings [Electronic resource]

Kulu, Priit; Tarbe, Riho; Veinthal, Renno Proceedings of 15th IFHTSE and 20 SMT Congress : September 2006, Vienna 2006 / [CD-ROM]

Erosion wear of PM materials and coatings : prediction and control

Veinthal, Renno; Kulu, Priit; Käerdi, Helmo 17th International Baltic Conference : Materials Engineering 2008 : November 6-7, Kaunas, Lithuania : abstracts of papers 2008 / p. 52-53

Erosion-oxidation of pressure vessel steel P265GH

Huttunen-Saarivirta, E.; Kuokkala, V.-T.; **Antonov, Maksim; Veinthal, Renno**; Tuiremo, J.; Mäkelä, K. Tribologia : Finnish journal of tribology 2012 / p. 11-19 : ill <https://journal.fi/tribologia/article/view/69337>

Erosive wear resistance of HVOF sprayed coatings

Kulu, Priit; Veinthal, Renno; Zimakov, Sergei Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 64-65

Estonian education system and the influence of digitalization : welcome address

Veinthal, Renno Management Education for a Digital World : proceedings of the 24th CEEMAN Annual Conference : 28-30 September 2016, Tallinn, Estonia 2016 / p. 8-9 : portr

Evolution of microstructure and properties in Ti-alloys during rapid electrocontact heating with SPD

Kommel, Lembit; Peetsalu, Priidu; Veinthal, Renno Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 62-66 : ill

Fabrication and microstructural analysis of didymium-iron-boron magnet alloys with cerium additions

Mural, Zorjana; Kolnes, Märt; Afshari, Hossein; Kollo, Lauri; Link, Joosep; Veinthal, Renno Proceedings of the Estonian Academy of Sciences 2016 / p. 166-171 : ill <http://dx.doi.org/10.3176/proc.2016.2.02> https://artiklid.elnet.ee/record=b2768229*est

Fabrication, control and properties of nanocrystalline copper

Kommel, Lembit; Kübarsepp, Jakob; Veinthal, Renno; Traksmäa, Rainer Nano-architected and nanostructured materials : fabrication, control and properties 2004 / p. 27-37 : ill

Fracture toughness of ceramics fired at different temperatures

Sin, Peter; **Veinthal, Renno; Sergejev, Fjodor; Antonov, Maksim**; Stubna, Igor Materials science = Medžiagotyra 2012 / p. 90-92 : ill https://www.researchgate.net/publication/268257498_Fracture_Toughness_of_Ceramics_Fired_at_Different_Temperatures

Friction and wear of fiber reinforced polyimide composites

Zhao, Gai; Hussainova, Irina; Antonov, Maksim; Wang, Qihua; Wang, Tingmei; **Veinthal, Renno** 19th International Conference on Wear of Materials : Portland, Oregon, USA, 14-18 April 2013 : conference abstracts 2013 / [p. 92]

Heat treatment of ultrafine grained AA6061 consolidation by equal channel angular pressing

Pramono, Agus; Kollo, Lauri; Kallip, Kaspar; Veinthal, Renno; Gomon, Jaana-Kateriina Instrumentation and measurement systems 2015 / p. 252-256 <http://dx.doi.org/10.4028/www.scientific.net/AMM.771.252>

High-energy ball milling of Nd-Fe-B powders

Mural, Zorjana; Kollo, Lauri; Kallip, Kaspar; Traksmäa, Rainer; Veinthal, Renno Proceedings of the Applied Magnetic Materials 2013 Conference 2013 / p. 12-16 : ill

High-strength aluminum alloy of ultrafine grained by consolidation-ECAP

Pramono, Agus; **Kollo, Lauri; Kommel, Lembit; Veinthal, Renno** IOP conference series : materials science and engineering 2019 / art. 012035, 7 p. : ill <https://doi.org/10.1088/1757-899X/478/1/012035> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Hot and cold of pressing effect on ECAP-parallel channel composite based on Al/ANF material

Pramono, Agus; Kommel, Lembit; Kollo, Lauri; Veinthal, Renno Advanced materials research 2015 / p. 343-347
<http://dx.doi.org/10.4028/www.scientific.net/AMR.1123.343>

Hot and cold regions during accumulative roll bonding of Al/Al₂O₃ nanofibre composites

Pramono, Agus; Kollo, Lauri; Veinthal, Renno Proceedings of the Estonian Academy of Sciences 2016 / p. 132-137 : ill
https://artiklid.elnet.ee/record=b2768216*est

Impact erosive wear resistance of thermal sprayed WC-Co coatings

Kulu, Priit; Zimakov, Sergei; Veinthal, Renno Materials Engineering & Baltrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 187-192 : ill

Impact wear performance of thin hard coatings on TiC cermets

Veinthal, Renno; Sergejev, Fjodor; Yaldiz, Can Emrah; Mikli, Valdek Journal of ASTM International 2011 / [10] p

Impact wear performance of thin hard coatings on TiC cermets

Veinthal, Renno; Sergejev, Fjodor; Yaldiz, Can Emrah; Mikli, Valdek 18th IFHTSE Congress : 2010 July 26th to 30th, Rio de Janeiro, Brazil 2010 / p. 5046-5056 : ill. [CD-ROM]

Indentation hardness as a tool for powder coating characterization

Veinthal, Renno Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 40

Influence of drag finishing to dry sliding wear behaviour of PVD nanocomposite nACo coating during running-in

Surženkov, Andrei; Podgurski, Vitali; Viljus, Mart; Adoberg, Eron; Nanits, Mats-Maidu; Kulu, Priit; Veinthal, Renno Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28-29, 2010, Riga, Latvia 2010 / p. 26

Influence of particle impact conditions and temperature on erosion-oxidation of steels at elevated temperatures

Huttunen-Saarivirta, E.; **Antonov, Maksim; Veinthal, Renno; Tuiremo, J.; Mäkelä, K.; Siitonen, P.** Wear 2011 / p. 159-175 : ill

Influence of pretreatment of substrate surface on residual stresses in different cold spray coatings

Rjabtšikov, Aleksander; Lille, Harri; Toropov, Stanislav; Kõo, Jakub; Pihl, Toomas; **Veinthal, Renno** Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28-29, 2010, Riga, Latvia 2010 / p. 23

Influence of SPD on structure and properties of copper

Kommel, Lembit; Kenk, Kalju; Veinthal, Renno Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 161-164 : ill

Influence of surface roughness on the tribological behaviour of the PVD coatings

Surženkov, Andrei; Adoberg, Eron; Viljus, Mart; Podgurski, Vitali; Veinthal, Renno; Kulu, Priit; Gregor, Andre 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 38

Inimesed ja ideed peavad liikuma

Veinthal, Renno Äripäev 2018 / lk. 12

Inseneriakadeemia ellukutsumise vajadusest - nutikale Eestile annavad sisu insenerid

Veinthal, Renno Eesti Masinatööstuse Liit. TTÜ mehaanika ja tööstustehnika instituut 85 2021 / lk. 49-52 : ill

Insenerid (inseneriteadused) Eesti ühiskonna teenistuses : ettekanne "Insenerid Eesti ühiskonna teenistuses" Tallinna Teadlaste Maja konverentsil "Eesti rahvuse kestmisest" 11.11.2017

Veinthal, Renno Eesti rahvuse kestmisest : Tallinna Teadlaste Maja, 19.11.2016 ja 11.11.2017 konverentside kogumik : Eesti Vabariigi 100. aastapäevaks 2018 / lk. 118-128 http://www.ester.ee/record=b4778435*est

Investigation of residual stresses and some elastic properties of brush-plated gold and silver galvanic coatings

Lille, Harri; Kõo, Jakub; Rjabtšikov, Aleksander; Reitsnik, Renno; **Veinthal, Renno; Mikli, Valdek; Sergejev, Fjodor** Engineering materials and tribology 2013 / p. 125-130 : ill

Investigation of (Ti, Al)N based coatings grown by physical vapor deposition

Podgurski, Vitali; Torp, Bo; Traksmäa, Rainer; Veinthal, Renno; Viljus, Mart; Coddet, Olivier; Morstein, Marcus; Gregor, Andre;

Kulu, Priit Materials science = Medžiagotyra 2005 / 4, p. 352-355 : ill

Jet milling of the powders for Nd-Fe-B sintered magnets

Mural, Zorjana; Kollo, Lauri; Veinthal, Renno 2014 International Conference on NdFeB Magnets : Supply Chain, Critical Properties, & Applications : proceedings : March 2-5th, 2014, New Century Grand Hotel Ningbo 2014 / p. 180-183 : ill

Joining of CrNi steel and AlMg alloy without interlayers

Dahms, Steffen; **Kulu, Priit; Veinthal, Renno**; Basler, Ursula Estonian journal of engineering 2010 / 4, p. 273-284 : ill

Katsekoda

Veinthal, Renno Tallinna Tehnikaülikooli aastaraamat 2004 2005 / lk. 218-219

Katsekoda

Veinthal, Renno Tallinna Tehnikaülikooli aastaraamat 2005 2006 / lk. 298-299

Katsekoda

Veinthal, Renno Tallinna Tehnikaülikooli aastaraamat 2006 2007 / lk. 275

Katsekoda

Veinthal, Renno Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 295-296

Katsekoja mõõtelabor sai nüüdisaegset tehnikat

Veinthal, Renno Mente et Manu 2005 / 26. jaan., lk. 1 https://www.ester.ee/record=b1242496*est

Kes tulid TTÜsse õppima? Aga kes ei tulnud?

Veinthal, Renno; Voll, Hendrik Mente et Manu 2017 / lk. 18-21 : ill https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html https://artiklid.elnet.ee/record=b2827001*est

Kolm küsimust doktoriõppe süsteemi kohta

Kirm, Marco; **Veinthal, Renno**; Niglas, Katrin; Jaakma, Ülle Sirp 2016 / lk. 36-37 <http://www.sirp.ee/s1-artiklid/c21-teadus/kolm-kusimust-doktoriõppe-susteemi-kohta/>

Komposiitmaterjalid : täienduskursus : november 2007 - jaanuar 2008

Veinthal, Renno 2008 https://www.ester.ee/record=b4652765*est

Kuidas hoiduda arengulõksust?

Veinthal, Renno; Lopp, Margus; Kattel, Rainer; Öpik, Andres; Kamratov, Ardo Mente et Manu 2014 / lk. 4-7 : fot https://www.ester.ee/record=b1242496*est

Mapping of impact-abrasive wear performance of WC-Co cemented carbides

Antonov, Maksim; Veinthal, Renno; Yung, Der-Liang; Katušin, Dmitri; Hussainova, Irina Wear 2015 / p. 971-978 : ill <http://dx.doi.org/10.1016/j.wear.2015.02.031>

Materjalitehnika : õpik kõrgkoolidele. 1

Kulu, Priit; Kübarsepp, Jakob; Laansoo, Andres; Veinthal, Renno 2015 https://www.ester.ee/record=b4459279*est

Materjalitehnika : õpik kõrgkoolidele. 2

Kulu, Priit; Kübarsepp, Jakob; Laansoo, Andres; Veinthal, Renno 2015 https://www.ester.ee/record=b4459287*est

Materjalitehnika instituudi teadustegevus : kaasaegsed multifunktsionaalsed materjalid ja nende rakendused

Veinthal, Renno TTÜ mehaanikateaduskond. Eesti Masinatööstuse Liit 2011 / lk. 43-52 : ill., fot http://www.ester.ee/record=b2720689*est

Materjalitehnika Ühingu seminar Tartu Ülikooli Füüsikainstituudis : [7. apr. 2004]

Veinthal, Renno Mente et Manu 2004 / 27. apr., lk. 2 https://www.ester.ee/record=b1242496*est

Measurement and relaxation observation of residual stresses in brush-plated gold coating depending on the current density

Lille, Harri; Kõo, Jakob; Rjabtšikov, Aleksander; **Veinthal, Renno; Mikli, Valdek** 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 50

Measurement of residual stresses in the cold-rolled Fe-Ni-Mn/Invar thermo-bimetallic plate

Lille, Harri; Kõo, Jakob; Valgur, Jaak; Ryabchikov, Alexander; Reitsnik, Renno; **Veinthal, Renno** International Conference on Residual Stresses 9 (ICRS 9) : selected, peer reviewed papers from the 9th International Conference on Residual Stresses (ICRS 9), October 7-9, 2012, Garmisch-Partenkirchen, Germany 2014 / p. 101-106

Mechanical properties of thin hard coatings on TiC-NiMo substrates

Yaldiz, Can Emrah; **Veinthal, Renno**; **Gregor, Andre**; Georgiadis, Kyriakos Estonian journal of engineering 2009 / 4, p. 329-339 : ill

Mechanism of abrasion-erosion wear of thermal sprayed coatings

Kulu, Priit; **Veinthal, Renno**; Kõo, Jakub; Lille, Harri Advances in mechanical behaviour, plasticity and damage : proceedings of EUROMAT 2000. Volume 1 2000 / p. 651-656 : ill

Mechanical properties of PVD coatings on TiC-based cermets

Veinthal, Renno; Yaldiz, Can Emrah; **Gregor, Andre** 1st Mediterranean Conference on Heat Treatment and Surface Engineering : Heat Treatment and Surface Engineering in the Manufacturing of Metallic Engineering Components : December 1-3, 2009, Sharm El-Sheikh, Egypt 2009 / p. 54

Metallid 3D-sse

Veinthal, Renno; Kollo, Lauri; Pohlak, Meelis Äripäev 2015 / Tööstus, lk. 36-38

Metallmaatrikskomposiitmaterjalid triboloogias : avalik loeng 3. mail 2007 TTÜs

Veinthal, Renno Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 326-331 : ill

Metallobjectide 3D-printimine - uued võimalused ja väljakutsed

Pohlak, Meelis; **Veinthal, Renno** Eesti Päevaleht 2015 / Metallileht, lk. 2

Methodology for configuration of robot welding cell for SMEs under conditions of small and medium sized production using MIG/MAG process

Talalaev, Robert; **Sarkans, Martinš**; **Laansoo, Andres**; **Veinthal, Renno** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 591-596 : ill

Micromechanical properties and wear resistance of powder coatings

Veinthal, Renno; **Zimakov, Sergei**; **Kulu, Priit** Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 216-219 : ill

Microstructural aspects of abrasive wear of composite powder materials and coatings

Veinthal, Renno; **Kulu, Priit**; Käerdi, Helmo International journal of materials & product technology 2011 / p. 92-119 : ill

Miks ei edene doktoriõpingud?

Veinthal, Renno Mente et Manu 2016 / lk. 4-6 : fot https://artiklid.elnet.ee/record=b2758758*est

Modeling of erosion wear of powder composite materials and coatings

Veinthal, Renno; **Kulu, Priit**; **Käerdi, Helmo** Surface modification technologies : proceedings of the 20th International Conference on Surface Modification Technologies : September 25-29, 2006, Vienna, Austria 2007 / p. 129-132 : ill

Modelling of abrasive wear and prognostication of erosion resistance of powder materials and coatings

Kulu, Priit; **Veinthal, Renno**; **Käerdi, Helmo** International Conference HighMatTech : October 15-19, 2007, Kiev, Ukraine : proceedings of conference 2007 / p. 472

Modelling of erosion wear of powder composite materials and coatings [Electronic resource]

Veinthal, Renno; **Kulu, Priit** Proceedings of 15th IFHTSE and 20 SMT Congress : September 2006, Vienna 2006 / [CD-ROM]

Nano-silicon carbide reinforced aluminium produced by high-energy milling and hot consolidation

Kollo, Lauri; Bradbury, Christopher R.; **Veinthal, Renno**; Jäggi, Christian; Carreno-Morelli, Efrain; Leparoux, Marc Materials science and engineering : A 2011 / p. 6606-6615 : ill

NeTTUN project : how to increase the lifetime of TBM drag bits?

Fridrici, V.; **Antonov, Maksim**; **Katušin, Dmitri**; **Yung, Der-Liang**; **Veinthal, Renno**; **Hussainova, Irina** 2nd Eastern European Tunnelling Conference "Tunneling in a Challenging Environment", Making tunneling business in difficult times : EETC 2014, Athens, Greece, 28 September - 1 October 2014 2014

New high frequency surface fatigue wear tester : design and first results

Antonov, Maksim; **Kulu, Priit**; **Sergejev, Fjodor**; **Hussainova, Irina**; **Veinthal, Renno** Proceedings of Nordtrib 2008 : 13th Nordic Symposium on Tribology : Tampere, Finland, 10-13 June, 2008 2008 / p. NT2008-87-24

Nutikas spetsialiseerumine ja selle kolm vaala : [teemat kommenteerivad Enn Saar, Renno Veinthal, jt.]

Saar, Enn; **Veinthal, Renno** Inseneria 2013 / lk. 14-18 : ill https://artiklid.elnet.ee/record=b2654800*est

On the describing of the stress-relaxation process

Kenk, Kalju; Veinthal, Renno International Symposium on Machine Design OST 2001 : [Tallinn, Estonia, October 4-5, 2001] : abstracts 2001 / [1] p

Optimization of structure of sprayed WC-Co hardmetal based coatings

Zimakov, Sergei; Tarbe, Riho; Veinthal, Renno; Kulu, Priit Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 224-227 : ill

Prediction of erosive wear of powder materials with hardmetal-type structure

Veinthal, Renno; Käerdi, Helmo; Kulu, Priit The 16th International Federation for Heat Treatment and Surface Engineering (IFHTSE) Congress, Brisbane, Australia, 30.10-02.11.2007 2008 / ? p

Production of metal-ceramic lattice structures by selective laser melting and carburizing or nitriding

Holovenko, Yaroslav; Kollo, Lauri; Jõelet, Marek; Ivanov, Roman; Soloviova, Tetiana; Veinthal, Renno Proceedings of the Estonian Academy of Sciences 2019 / p. 131-139 : ill <https://doi.org/10.3176/proc.2019.2.02>
http://www.kirj.ee/public/proceedings_pdf/2019/issue_2/proc-2019-2-131-139.pdf Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Production of superhard carbon rich boron carbon (B_{11.72}C_{3.28}) based composite in the B₄C-Al-WC-Co-Cu system through SHS and SPS techniques [Electronic resource]

Kommel, Lembit; Tarraste, Marek; Kolnes, Märt; Veinthal, Renno; Kübarsepp, Jakob Euro PM2015 Congress & Exhibition : proceedings : 4-7 October 2015, Reims Congress Centre, Reims, France 2015 / [6] p. : ill. [USB]

Professorite ja juhtivateadurite atseteerimise tulemustest ja esimeste tenuuri ametikohtade täitmisest

Veinthal, Renno; Trahov, Tea Mente et Manu 2017 / lk. 26-27 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html

Pultruding of metal powder filled glass fiber reinforced polymer composites

Rummo, Henri; Veinthal, Renno; Aruniit, Aare Engineering materials and tribology : selected, peer reviewed papers from the 24th International Baltic Conference on Engineering Materials & Tribology (BALTMATRIB & IFHTSE 2015), November 5-6, 2015, Tallinn, Estonia 2016 / p. 48-53 : ill <http://dx.doi.org/10.4028/www.scientific.net/KEM.674.48>

Punch lifetime in fine-blanking with optimum combination of mechanical properties

Veinthal, Renno; Peetsalu, Priidu; Saarna, Mart; Sergejev, Fjodor European Conference on Heat Treatment and 22nd IFHTSE Congress : Heat Treatment and Surface Engineering from tradition to innovation : Venice (Italy), 20-22 May 2015 2015 / [7] p

Quality assurance system of metals testing laboratory

Päärsoo, Riho; Veinthal, Renno Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 313-315

Quality assurance in mechanical testing laboratory by participating in proficiency test

Päärsoo, Riho; Veinthal, Renno; Peetsalu, Priidu; Saarna, Mart Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 242-244 : ill

Quo vadis, tenuur?

Veinthal, Renno; Trahov, Tea Mente et Manu 2018 / lk. 30-33 : ill http://www.ester.ee/record=b1242496*est
<http://dea.digar.ee/publication/AKmenteetmanu> <https://taltech.ee/avalehekulg/?id=10641&category=128006#newsTabsMenu>

Rakendusteadusest ja teaduse rakendamisest

Veinthal, Renno; Lukas, Mati Mente et Manu 2019 / lk. 4-6 : ill <https://taltech.ee/rakendusteadusest-ja-teaduse-rakendamisest>
https://www.ester.ee/record=b1242496*est https://www.ttu.ee/public/m/mente-et-manu/MM_02_2019/mobile/index.html

Rakendusuuringud materjalitehnoloogia valdkonnas : [ettekanne mehaanikainseneride päeval 27. septembril 2013 TTÜs]

Veinthal, Renno Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 194-204 : ill

Raudteel keeb teras : [8. okt. viisid EVR Koehne AS töömehed läbi raudteerööbaste demonratsioonkeevituse, järgnes katsetamine TTÜ Katsekoja mehaanikalaboris]

Veinthal, Renno Mente et Manu 2002 / 22. okt., lk. 4 : fot https://www.ester.ee/record=b1242496*est

Recycled hardmetal-based powder composite coatings : optimisation of composition, structure and properties

Kulu, Priit; Käerdi, Helmo; Surženkov, Andrei; Tarbe, Riho; Veinthal, Renno; Goljandin, Dmitri; Zikin, Arkadi International journal of materials & product technology 2014 / p. 180-202 : ill

Regression models and fuzzy logic prediction of TBM penetration rate

Vu, Trieu Minh; Katušin, Dmitri; Antonov, Maksim; Veinthal, Renno Open engineering 2017 / p. 60-68 : ill
<https://doi.org/10.1515/eng-2017-0012>

Rektori luba mehaanikute tammepuule

Veinthal, Renno Mente et Manu 2018 / lk. 31 http://www.ester.ee/record=b1242496*est <http://dea.digar.ee/publication/AKmenteetmanu>

Renno Veinthal : tehnikauilikooli teadustöö viljakus on suurenenud [Võrguväljaanne]

Veinthal, Renno err.ee 2020 / fot [Renno Veinthal: tehnikaülikooli teadustöö viljakus on suurenenud](#) Vaata ka: Ago Samoson: Eesti teadus surmahirmus (err.ee 29.04.2020)

Renno Veinthal: rohkem suurepärase teadust, arvestades Eesti vajadusi [Võrguväljaanne]

Veinthal, Renno err.ee 2019 ["Renno Veinthal: rohkem suurepärase teadust, arvestades Eesti vajadusi"](#)

Research activities in materials engineering and tribology at TUT

Kulu, Priit; Veinthal, Renno; Kübarsepp, Jakob 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATTRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 15

Residual stresses and their relaxation in brush-plated gold and silver coatings

Lille, Harri; Kõo, Jakob; Rjabtšikov, Aleksander; **Veinthal, Renno; Mikli, Valdek** Materials engineering & Baltrib 2010 : materials of the XIX-th International Baltic Conference : October 28-29, 2010, Riga, Latvia 2010 / p. 39

Selection criteria for abrasive erosion wear resistant powder coatings

Kulu, Priit; Veinthal, Renno Abstracts of 10th Nordic Symposium on Tribology NORDTRIB 2002 / p. 163

Selection criteria for abrasive erosion wear resistant powder coatings

Kulu, Priit; Veinthal, Renno Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 38

Selection criteria for abrasive erosion wear resistant powder coatings

Kulu, Priit; Veinthal, Renno Medžiagotyra = Materials science 2002 / 4, p. 425-429 : ill

Selection criteria for abrasive erosion wear resistant powder coatings [Electronic resource]

Kulu, Priit; Veinthal, Renno Proceedings of 10th Nordic Symposium on Tribology NORDTRIB 2002 / [CD-ROM]

Solid particle erosion of thermal sprayed coatings

Kulu, Priit; Hussainova, Irina; Veinthal, Renno Wear 2005 / 1/4, p. 488-496 : ill

Spark plasma sintered Nd-Fe-B magnets from high-energy ball milled powders

Mural, Zorjana; Kollo, Lauri; Veinthal, Renno The 24th International Workshop on Rare-Earth and Future Permanent Magnets and Their Applications (REPM 16) : 28 August - 1 September 2016, Darmstadt, Germany 2016 / p. 619-623

Stability and damage of nanocrystalline copper at cyclic elastic-plastic deformation

Kommel, Lembit; Hussainova, Irina; Veinthal, Renno; Saarna, Mart Ultrafine Grained Materials - from Basics to Applications : UFG-2006 : September 25-27, 2006, Kloster Irsee, Germany 2006 / p. 3-17 - 3-19

Study of properties of HVOF-sprayed coatings

Kulu, Priit; Ojaviir, Marek; Veinthal, Renno Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 214-217 : ill

Study of surface fatigue of wear resistant powder materials

Saarna, Mart; Kulu, Priit; Veinthal, Renno; Tarbe, Riho 15th International Baltic Conference "Engineering Materials & Tribology. Baltmattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 66-68 : ill

Study of surface fatigue of wear resistant powder metallurgical materials

Saarna, Mart; Kulu, Priit; Veinthal, Renno; Tarbe, Riho Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 4, p. 377-387 : ill

Study of the ultrafine-grains intrinsic nanostructure refinement by severe plastic deformation of copper alloys

Kommel, Lembit; Veinthal, Renno; Mikli, Valdek; Dedov, Andrei OAS 2015 : proceedings of the 3rd [i.e. 3rd] International Conference Optimization and Analysis of Structures III : Tartu, Estonia, August 23-25, 2015 2015 / p. 28-32 : ill

Substance-to-substance joining to quartz glass

Dahms, Steffen; **Kulu, Priit; Veinthal, Renno**; Basler, Ursula; Sändig, Sabine Estonian journal of engineering 2009 / 2, p. 131-142 : ill

Surface fatigue processes at impact wear of powder materials

Kulu, Priit; Veinthal, Renno; Saarna, Mart; Tarbe, Riho Wear 2007 / 1, p. 463-471 : ill

Surface fatigue processes at impact wear of powder materials

Kulu, Priit; Veinthal, Renno; Saarna, Mart; Tarbe, Riho WOM : 16th International Conference on Wear of Materials : Montreal, Quebec, Canada, April 15-19, 2007 : delegate manual 2007 / p. 17D.1
<https://www.sciencedirect.com/science/article/pii/S0043164807003894>

Tallinn University of Technology : annual report 2004

Keevallik, Andres; Aviksoo, Kai; Nirk, Tiit; Neudorf, Reet; Parre, Kiira; Järs, Jüri; Veinthal, Renno; Palm, Enrico; Laur, Toomas; Pihel, Mare; Pöder, Ülle; Toompuu, Katrin; Murumets, Urmas; Järva, Rein; Krispin, Madli; Johannes, Anu; Pällo, Arnel; Orulaid, Kerly; Lill, Heino; Pihlamägi, Olavi 2005 http://www.ester.ee/record=b1968466*est

Tallinna Tehnikaülikool aastal 2004

Keevallik, Andres; Aviksoo, Kai; Arumaa, Helgi; Nirk, Tiit; Neudorf, Reet; Parre, Kiira; Järs, Jüri; Veinthal, Renno; Palm, Enrico; Pihel, Mare; Pöder, Ülle; Toompuu, Katrin; Murumets, Urmas; Järva, Rein; Krispin, Madli; Johannes, Anu; Pällo, Arnel; Orulaid, Kerly; Lill, Heino; Pihlamägi, Olavi 2005 http://www.ester.ee/record=b1558944*est

Tenuur kui akadeemilise vabaduse tagatis

Aaviksoo, Jaak; Veinthal, Renno Sirp 2016 / lk. 15-16 : ill <http://www.sirp.ee/s1-artiklid/c21-teadus/tenuur-kui-akadeemilise-vabaduse-tagatis/>

Tenuurist ja akadeemilise hindamise vajalikkusest

Veinthal, Renno Mente et Manu 2017 / lk. 42-45 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_02_2017/index.html

The aluminum based composite produced by Self propagating High temperature Synthesis

Pramono, Agus; Kommel, Lembit; Kollo, Lauri; Veinthal, Renno Materials science = Medžiagotyra 2016 / p. 41-43 : ill
<http://dx.doi.org/10.5755/j01.ms.22.1.7500>

The copper structure and properties evolution in zone of severe plastic deformation

Kommel, Lembit; Kenk, Kalju; Veinthal, Renno Medžiagotyra = Materials science 2002 / 4, p. 396-398 : ill

The copper structure and properties evolution in zone of severe plastic deformation

Kommel, Lembit; Kenk, Kalju; Veinthal, Renno Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 19

The effect of nano-TiC addition on sintered Nd-Fe-B permanent magnets

Mural, Zorjana; Kollo, Lauri; Xia, Manlong; Veinthal, Renno Journal of magnetism and magnetic materials 2017 / p. 23-28 : ill
<https://doi.org/10.1016/j.jmmm.2016.12.115>

The formation of structure and change of properties during heat treatment of boron carbide cermets

Kommel, Lembit; Veinthal, Renno; Kimmari, Eduard Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 56

The formation of structure and change of properties during heat treatment of boron carbide composites

Kommel, Lembit; Veinthal, Renno; Kimmari, Eduard Materials science = Medžiagotyra 2003 / 1, p. 99-101 : ill

The investigation of advanced constructional materials and manufacturing technologies

Kommel, Lembit; Veinthal, Renno Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 41-45 : ill

Tribological properties of PVD coatings with lubricating films

Lind, Liina; Adoberg, Eron; Aarik, Lauri; Kulu, Priit; Veinthal, Renno; Abdel Aal, Alsayed Estonian journal of engineering 2012 / p. 193-201 : ill

Triboloogia-alasest tegevusest materjalitehnika instituudis

Veinthal, Renno Tallinna Tehnikaülikooli aastaraamat 2009 2010 / lk. 29-31

TTÜ aastal 2020 : töögrupi visioon

Aav, Riina; Ellmann, Artu; Karilaid, Ivo; Kattel, Rainer; Lõugas, Tiina; Petlenkov, Eduard; Veinthal, Renno; Valgma, Ingo Mente et Manu 2009 / 16. veebr., lk. 3 : fot https://www.ester.ee/record=b1242496*est

TTÜ auditi juht: salvestised ei loe, sõnad pandi suhu

Veinthal, Renno Postimees 2019 / lk. 1, 4-5 [TTÜ auditi juht: salvestised ei loe, sõnad pandi suhu ja tõlgendusruumi on palju](https://www.postimees.ee/ajalugu/veinthal-reno-auditi-juht-salvestised-ei-loe-sõnad-pandi-suhu-ja-tõlgendusruumi-on-palju)

TTÜ materjalitehnika instituudi koostöö ettevõtetega

Veinthal, Renno Inseneria 2011 / lk. 15-17 : ill https://www.ester.ee/record=b1519314*est

Tööstusdoktorantuur avab uusi võimalusi koostööks ja aitab ettevõtetel väärtusahelas tõusta

Veinthal, Renno Mente et Manu 2017 / lk. 18-20 : fot http://www.ester.ee/record=b1242496*est

Uued inimesed ja positsioonid

Hints, Olle; Janno, Jaan; Uusen, Kaire; Oll, Sulev; Põdersalu, Heiko; Veinthal, Renno; Sooväli-Sepping, Helen; Chiesa, Matteo; Trahov, Tea Mente et Manu 2021 / lk. 42-47 : fot https://www.ester.ee/record=b1242496*est

Uued võimalused 3D-printimise valdkonnas - metallide printimine peagi võimalik ka Eestis

Jõelet, Marek; Kollo, Lauri; Pohlak, Meelis; Veinthal, Renno Inseneeria 2015 / lk. 32-35 : ill
https://artiklid.elnet.ee/record=b2725592*est

Uuenduslik tootmine : käsiraamat

Riives, Jüri; Lumiste, Rünno; Reedik, Vello; Roosimõlder, Lembit; Karjust, Kristo; Kers, Jaan; Kiolein, Indrek; Kokla, Margo; Küttner, Rein; Lavin, Jaak; Lavrentjev, Jüri; Lõun, Kaia; Mõtus, Leo; Naams, Invar; Otto, Tauno; Pohlak, Meelis; Raba, Karl; Saks, Alo; Talkop, Adolf; Tähemaa, Toivo; Veinthal, Renno 2011 http://www.ester.ee/record=b2736534*est

Uus "Akadeemilise karjääri korraldus" kasvatab ülikooli võimekust

Trahov, Tea; Veinthal, Renno Mente et Manu 2018 / lk. 38-39 : fot https://ttu.ee/public/m/mente-et-manu/MM_02_2018/mobile/index.html#p=3 <http://dea.digar.ee/publication/AKmenteetmanu> http://www.ester.ee/record=b1242496*est

Uut katsetustehnikat mehaanikateaduskonnas

Veinthal, Renno; Pohlak, Meelis Mente et Manu 2008 / 16. jaan., lk. 2 https://www.ester.ee/record=b1242496*est

Wear behaviour of doped WC–Ni based hardmetals tested by four methods

Yung, Der-Liang; Antonov, Maksim; Veinthal, Renno; Hussainova, Irina Wear 2016 / p. 171-179 : ill
<http://dx.doi.org/10.1016/j.wear.2016.02.015>

Wear resistance of high velocity thermal sprayed coatings

Kulu, Priit; Veinthal, Renno 9th Nordic Symposium on Tribology NORDTRIB 2000 : Porvoo, Finland, 11-14 June 2000. Vol. 1 2000 / p. 87-95 : ill

Wear resistant powder coatings on the base of recycled hardmetal

Tarbe, Riho; Zimakov, Sergei; Mikli, Valdek; Kulu, Priit; Veinthal, Renno Powder metallurgy progress 2005 / p. 148-157 : ill

Vickers hardness of ceramics fired at different temperatures

Šin, P.; Veinthal, Renno; Sergejev, Fjodor; Antonov, Maksim; Stubna, I. Young Researchers 2011, PhD Students, Young Scientists and Pedagogues Conference proceedings : Nitra, Slovakia, 21-22 September 2011 2011 / p. 565-570
https://www.researchgate.net/publication/265794312_Vickers_hardness_of_ceramics_fired_at_different_temperatures

Viscoplastic behavior of SPD copper

Kenk, Kalju; Kommel, Lembit; Veinthal, Renno Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 47-48

Ülikool viib firma väärtusahela tippu

Veinthal, Renno Äripäev 2017 / lk. 12