

A new strategy for the preparation of maleimide-functionalised gold surfaces

Zhang, Xin; Sun, Guoguang; Hovestädt, Marc; **Sõritski, Vitali**; Esser, Norbert; Volkmer, Rudolf; Janietz, Silvia; Rappich, Jörg; Hinrichs, Karsten Electrochemistry communications 2010 / 10, p. 1403-1406 : ill
<https://www.sciencedirect.com/science/article/pii/S1388248110003395>

Abrasive erosion of powder materials

Kallas, Paul 1996 http://www.ester.ee/record=b1070451*est

Abrasive wear powder materials and coatings

Kulu, Priit; Tarbe, Riho; **Vallikivi, Ahto** Materials science = Medžiagotyra 2005 / p. 230-234 : ill

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

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

Application of the indentation method for cracking resistance evaluation of hard coatings on tool steels

Sivitski, Alina; Gregor, Andre; Saarna, Mart; Kulu, Priit; Sergejev, Fjodor Estonian journal of engineering 2009 / 4, p. 309-317 : ill

Arkadi Zikin - uute pindade looja : [intervjuu doktorandiga]

Karu, Veiko Inseneeria 2013 / lk. 20-21 : fot https://artiklid.elnet.ee/record=b2611915*est

Calibration methods of coating thickness gauges = Pindepaksuse mõõtevahendite kalibreerimismeetodite uurimine

Abiline, Indrek 2008 http://www.ester.ee/record=b2431359*est

Calibration methods of coating thickness standards = Pindepaksusetalonide kalibreerimismeetodid

Riim, Jüri 2011 <https://digi.lib.ttu.ee/i/?608>

Calibration of coating thickness gauges

Laaneots, Rein; **Põdra, Priit** METROLOGIE 97 : 8e Congres International de Metrologie, Besancon-France, 20 au 23 octobre 1997 : actes des conferences 1997 / p. 59-64 : ill

Calibration of coating thickness gauges

Abiline, Indrek; Laaneots, Rein; **Nanits, Mats-Maidu** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 117-119 : ill

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 of composite thermal spray powders

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit EURO PM2005 : congress & exhibition : 2-5 October 2005, Prague, Czech Republic : proceedings. Volume 2 2005 / p. 87-91

Characterization of WC-Co composite thermal spray powder and coating

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit 15th International Baltic Conference "Engineering Materials & Tribology. Baltattrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 52-53

Characterization of WC-Co composite thermal spray powders and coatings

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 4, p. 435-444 : ill

Characterization of WC-Co thermal spray coatings based on the composite powders

Peetsalu, Priidu; Zimakov, Sergei; Pirso, Jüri; Mikli, Valdek; Tarbe, Riho; Kulu, Priit Powder metallurgy progress : journal of science and technology of particle materials 2006 / p. 34-41 : ill

Chemical pre-treatment of recycled hardmetal powders for plasma transferred arc hardfacing

Yung, Der-Liang TTÜ üliõpilaste teadustööde konkursi kokkuvõtteid : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / p. 15

Coatings and surface engineering. Industry oriented research

Veinthal, Renno; Kulu, Priit; Zikin, Arkadi; Sarjas, Heikki; Antonov, Maksim; Podgurski, Vitali; Adoberg, Eron Estonian journal of engineering 2012 / p. 176-184 : ill https://kirj.ee/public/Engineering/2012/issue_3/Eng-2012-3-176-184.pdf

Comparison of curvature and X-Ray methods for measuring of residual stresses in hard PVD coatings
Lille, Harri; Kõo, Jakub; Gregor, Andre; Ryabchikov, Alexander; Sergejev, Fjodor; Traksmaa, Rainer; Kulu, Priit Materials science forum 2011 / p. 455-460

Determination of residual stresses in coatings and coated parts

Kõo, Jakub 1994 http://www.ester.ee/record=b1066361*est

Determination of residual stresses in coatings and coated parts : a thesis ... for the degree of doctor of engineering

Kõo, Jakub 1993 http://www.ester.ee/record=b2676917*est

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

Simson, Taavi 2018 <https://digi.lib.ttu.ee/i/?9946>

Duplex TiN coating on stainless steel : an electrochemical and surface analysis study : doctoral thesis

Rudenja, Sergei 1999 https://www.ester.ee/record=b1330948*est

Duplex treatment of steel surface = Teras pinna duplekstöötlus

Surženkov, Andrei 2011

Effect of basalt addition on tribological performance of FeCrSiB HVOF coatings

Antonov, Maksim; Surženkov, Andrei; Hussainova, Irina; Goljandin, Dmitri; Mikli, Valdek Estonian journal of engineering 2012 / p. 211-220 : ill https://artiklid.elnet.ee/record=b2527729*est

Electroless Ni-P-MoS₂-Al₂O₃ composite coating with hard and self-lubricating properties

Mohanty, Shalini; Jamal, Naghma; Das, Alok Kumar; Prashanth, Konda Gokuldoss Materials 2022 / art. 6806
<https://doi.org/10.3390/ma15196806> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation method of coating thickness of coating thickness standard

Laaneots, Rein; Riim, Jürgen 14 International Congress of Metrologie : Paris, France, 22-25 juin 2009 2009 / ? p

Evaluation of residual stresses in PVD coatings by means of strip substrate length variation and curvature method of plate substrate

Lille, Harri; Ryabchikov, Alexander; Kõo, Jakub; Adoberg, Eron; Lind, Liina; Kurisoo, Liisa; Peetsalu, Priidu Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 212-218 <http://dx.doi.org/10.4028/www.scientific.net/SSP.267.212>

Evaluation of residual stresses in PVD coatings by means of the curvature method of plate

Lille, Harri; Ryabchikov, Alexander; Adoberg, Eron; Kurisoo, Liisa; Peetsalu, Priidu; Lind, Liina Engineering materials and tribology XXV 2017 / p. 404-408 <http://dx.doi.org/10.4028/www.scientific.net/KEM.721.404>

Evaluation method of coating thickness of coating thickness standard

Laaneots, Rein; Riim, Jürgen; Leibak, Alar Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [I] 2010 / p. 245-250

Hard PVD coatings for tooling = PVD kõvapindede tööriistamajandused

Gregor, Andre 2010 <https://digi.lib.ttu.ee/i/?495> https://www.ester.ee/record=b2607112*est

HVOF thermal spray coatings of different powders

Abdel Aal, Alsayed; Zimakov, Sergei; Kulu, Priit; Kaytbay, S.H.M. 15th International Baltic Conference "Engineering Materials & Tribology. Balttrib - 2006" : October 5-6, 2006, Tallinn, Estonia : abstracts 2006 / p. 44-45

Impact and sliding wear properties of single layer, multilayer and nanocomposite physical vapour deposited (PVD) coatings on the plasma nitrided low-alloy 42CrMo4 steel

Surženkov, Andrei; Adoberg, Eron; Põdra, Priit; Sergejev, Fjodor; Mere, Arvo; Viljus, Mart; Mikli, Valdek; Antonov, Maksim; Kulu, Priit Engineering materials and tribology 2013 / p. 223-228 : 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

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

Investigation into the residual stresses in gasflame sprayed coatings

Kulu, Priit; Kõo, Jakub; Lille, Harri; **Pihl, Toomas** Tallinna Tehnikaülikooli Toimetised 1994 / lk. 17-31: ill

Kõrgtasemel kõvapindamiseseade tõstab TTÜ konkurentsivõimet

Gregor, Andre Inseneeria 2008 / 1, lk. 42

Maanteekatete põlevkivibituumeniga ja bituumenemulsiooniga pindamise majanduslik võrdlus

Koppel, Maano 1995 https://www.ester.ee/record=b1067906*est

Methods and instruments for calibration of coating thickness gauges

Laaneots, Rein XIV IMEKO World Congress : New Measurements - Challenges and Visions, 1-6 June 1997, Tampere, Finland. Vol. 8, Topic 14 1997 / p. 284-291: ill

Microstructural aspects of thermal sprayed WC-Co coatings and Ni-Cr coated steels = WC-Co termopinnete ja Ni-Cr pinnatud teraste metallograafilised aspektid

Peetsalu, Priidu 2007 https://www.ester.ee/record=b2315917*est

Microstructure of the hard coatings deposited by arc ion plating

Rudenja, Sergei Junior EUROMAT '96 : European Conference : August 26-30, Lausanne, Switzerland : [abstracts] 1996

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]

Morphological changes on diamond and DLC films during sliding wear = Morfoloogilised muutused teemant- ja teemandilaadsetel pinnatel liugkulumisel

Bogatov, Andrei 2015 http://www.ester.ee/record=b4447899*est

Mõõtmine : mõõdundus. Pindepaksusmõõturite kalibreerimine : aastatel 1991-1997 avaldatud teadustööde koopiate kogumik. 5

Laaneots, Rein 1997 https://www.ester.ee/record=b2641553*est

Novel synthesized and milled carbide-based composite powders for HVOF spray = Uudsed sünteesitud ja jahvatatud karbiidide baasil komposiitpulbrid kiirleekpihustuseks

Sarjas, Heikki 2016 https://www.ester.ee/record=b4569666*est

Novel wear resistant WC-based thermal sprayed coatings

Zimakov, Sergei; Kulu, Priit 2004 https://www.ester.ee/record=b1953734*est

Novel wear resistant WC-based thermal sprayed coatings

Zimakov, Sergei 2004 https://www.ester.ee/record=b1988316*est

Oberflächenverfestigung von Stahlerzeugnissen

Kulu, Priit; Laaneots, Rein 6. Wissenschaftliche Konferenz "Rationalisierung im Maschinenbau durch Schlüsseltechnologien", November 1989 1989 / S. 38-46

On determination of residual stresses in some PVD coatings by the curvature method

Lille, Harri; Ryabchikov, Alexander; Lind, Liina; Sergejev, Fjodor; Adoberg, Eron; Peetsalu, Priidu Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 378-382 : ill

Optimization of reinforcement content of powder metallurgy hardfacings in abrasive wear conditions

Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Tarbe, Riho; Viljus, Mart; Tarraste, Marek; Goljandin, Dmitri Proceedings of the Estonian Academy of Sciences 2016 / p. 90-96 : ill https://artiklid.elnet.ee/record=b2768203*est

Pindamiskatsed Eestis

Koppel, Maano Teeleht 2005 / 1, lk. 16-21 : ill

Pindepaksusmõõturite kalibreerimise meetodid ja mõõtevahendid : ajavahemikus 1970-1980 avaldatud teadustööde koopiate kogumik. 1

Laaneots, Rein 1980 https://www.ester.ee/record=b2641412*est

Pinnete paksuse mõõtmine

Laaneots, Rein; Roosimölder, Lembit Tehnika ja Tootmine 1991 / 7/8, lk. 19-21: fotod

Pinnete paksuse mõõtmine : meetodid, mõõtevahendid ja jälgitavus : aastatel 1986-1990 avaldatud teadustööde koopiate

kogumik. 3

Laaneots, Rein 1990 https://www.ester.ee/record=b2641436*est

Pinnete paksuse mõõtmine : meetodid, mõõtevahendid ja jälgitavus : aastatel 1991-1994 avaldatud teadustööde koopiate kogumik. 4

Laaneots, Rein 1995 https://www.ester.ee/record=b2641468*est

Powder coatings for abrasive wear

Pihl, Toomas 2002 https://www.ester.ee/record=b1733979*est

Pulberpinded

Kulu, Priit 1989 https://www.ester.ee/record=b1240450*est

PVD coatings for corrosion prevention

Rudenja, Sergei; Talimets, Ellen; Kulu, Priit; Mikli, Valdek Corrosion: Permanent Danger for Society and Environment : Surface 97 : 2nd Central, Eastern and Northern Europe Regional Conference : proceedings 1997 / p. 98-101 : ill

Reliability aspects of PVD coatings sliding under wear and corrosive conditions = PVD pinnete töökindluse aspektid liughõõrdumise ja korrosiooni tingimustes

Baroninš, Janis 2018 <https://digi.lib.ttu.ee/li/?11163>

Review of surface treatment technology in Estonia

Kulu, Priit Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 4-5
https://www.ester.ee/record=b1492085*est

Rough surface model using the potential function superpositions

Telliskivi, Tanel; Põdra, Priit Engineering Materials & Tribology : BALTMATTRIB - 2003 : 12th International Baltic Conference : October 2-3, 2003, Tallinn, Estonia : abstracts 2003 / p. 68-69 : ill

Rough surface model using the potential function superpositions

Telliskivi, Tanel; Põdra, Priit Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 1, p. 16-25 : ill

Sliding wear of PVD hard coatings: fatigue and measurement aspects = Õhukeste kõvapinnete liugekulumine: väsimuse ja mõõtmise aspektid

Sivitski, Alina 2010 https://www.ester.ee/record=b2635254*est

Sliding wear of TiC-NiMo and Cr3C2-Ni cermet particles reinforced FeCrSiB matrix HVOF sprayed coatings

Surženkov, Andrei; Antonov, Maksim; Goljandin, Dmitri; Vilgo, Timo; Mikli, Valdek; Viljus, Mart; Latokartano, Jyrki; Kulu, Priit Estonian journal of engineering 2013 / p. 203-211 : ill

Solid particle erosion : occurrence, prediction and control

Kleis, Ilmar; Kulu, Priit 2008 http://www.ester.ee/record=b2368841*est

Solid particle erosion : occurrence, prognostification and control

Kleis, Ilmar; Kulu, Priit 2005 https://www.ester.ee/record=b2080005*est

Study of residual stresses in some gas-flame sprayed coatings

Kulu, Priit; Kõo, Jakub; Lille, Harri; Pihl, Toomas Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / I. 42 https://www.ester.ee/record=b1492085*est

Surface fatigue and wear of PVD coated punches during fine blanking operation

Sergejev, Fjodor; Peetsalu, Priidu; Sivitski, Alina; Saarna, Mart; Adoberg, Eron Engineering failure analysis 2011 / p. 1689-1697 : ill

Surface technology in Estonia

Kulu, Priit Surface 95 : 1st Central, Eastern and Northern Europe Regional Conference on Surface Treatment : Technologies, Environmental and Standardization, September 4-8, 1995, Palanga, Lithuania 1995 / p. 9-10

Surface treatment with excimer laser light - the Estonian opportunity

Kruusing, Arvi Surface 95 : 1st Central, Eastern and Northern Europe Regional Conference on Surface Treatment : Technologies, Environmental and Standardization, September 4-8, 1995, Palanga, Lithuania 1995 / p. 49-50

Synthesis of Ni@SiO2 and Co@SiO2 nanomagnets after formation of NiO and Co2O3 nanoparticles at low temperatures using CaH2

Volokhova, Maria; Boldin, Aleksei; Link, Joosep; Tsujimoto, Masahiko; Stern, Raivo; Seinberg, Liis Journal of materials research

and technology 2022 / p. 988-992 : ill <https://doi.org/10.1016/j.jmrt.2021.12.042> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Technological impact on wear resistant multiphase hardfacings

Badisch, Ewald; Katsich, Christian; **Zikin, Arkadi** 15th Nordic Symposium on Tribology - NordTrib 2012 : 12-15 June, 2012, Trondheim, Norway : [proceedings] 2012 / 6 p. : ill

The abrasive erosion wear resistance of powder coating

Kulu, Priit Tribologia : Finnish journal of tribology 1989 / p. 12-25 https://www.ester.ee/record=b1585989*est

The principles of the choice of powder coatings for abrasive erosion wear conditions

Kulu, Priit Tallinna Tehnikaülikooli Toimetised 1991 / lk. 106-114: ill

Thermally sprayed WC-Co hardmetal based coatings

Zimakov, Sergei; Tarbe, Riho; Kulu, Priit Medžiagotyra = Materials science 2002 / 4, p. 409-412 : ill

Thermally sprayed WC-Co hardmetal based coatings

Zimakov, Sergei; Tarbe, Riho; Kulu, Priit Abstracts of International Conference Materials Engineering and Tribology 2002 / p. 39

Tolerantsidest ja pindepaksuste määramisest

Laaneots, Rein; Kärmäs, Aivar; Meinberg, Madis Tehnika ja Tootmine 1993 / 3, lk. 20-21: ill

Tool life in stainless steel AISI 304 : applicability of Colding's tool life equation for varying tool coatings

Johansson, Daniel; Leemet, Tõnu; Allas, Jaanus; Madissoo, Marten; **Adoberg, Eron**; Schultheiss, Fredrik Proceedings of the Estonian Academy of Sciences 2016 / p. 172-176 : ill

Tribological behavior of hybrid coatings at extreme conditions = Hübriidpinnete triboloogiline käitumine ekstreemsetes tingimustes

Shaikh, Asad Alamgir 2021 https://www.ester.ee/record=b5434621*est <https://digikogu.taltech.ee/et/Item/2b9c25e8-2f7f-46ea-859a-366bf4b7f252> <https://doi.org/10.23658/taltech.33/2021>

Vanast lõiketerast saab teha uue

Adoberg, Eron Inseneeria 2010 / 9, lk. 34-36 : ill https://artiklid.elnet.ee/record=b2167794*est

Wear of PVD coatings on fineblanking punches = PVD pinnete kulumine siselõikestantsi templitel

Lind, Liina 2014 https://www.ester.ee/record=b4422007*est

Wear properties of duplex treated surfaces

Kulu, Priit; Surženkov, Andrei; Saarna, Mart 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. 56

Wear resistance of HVOF sprayed coatings from mechanically activated thermally synthesized Cr₃C₂-Ni spray powder

Sarjas, Heikki; Kulu, Priit; Juhani, Kristjan; Viljus, Mart; Matikainen, Ville; Vuoristo, Petri Proceedings of the Estonian Academy of Sciences 2016 / p. 101-106 : ill

Wear resistance of laser clad thermal sprayed coatings

Surženkov, Andrei; Kulu, Priit; Tarbe, Riho; Mikli, Valdek; Sarjas, Heikki; Latokartano, Jyrki 18th International Baltic Conference : Engineering Materials & Tribology : BALTMATRIB-2009 : October 22-23, 2009, Tallinn, Estonia : abstracts 2009 / p. 64

Wear resistance of laser remelted thermally sprayed coatings

Surženkov, Andrei; Kulu, Priit; Tarbe, Riho; Mikli, Valdek; Sarjas, Heikki; Latokartano, Jyrki Estonian journal of engineering 2009 / 4, p. 318-328 : ill

Verfahren zum Kalibrieren von Schichtdickenmessgeräten

Laaneots, Rein Proceedings of the Second National DAAAM Conference in Estonia : Science'96 1997 / p. 68-74: ill

Адгезия металлопокрытий, полученных электроимпульсным напылением

Оксас Э.С.; Янкаускас В.К. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 35-37

Изучение процесса плазменного напыления карбидосталей на стальную основу

Нарва В.К.; Лошкарева Н.С.; Отрадинский Ю.А.; Воронкина И.А. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 43-44

Исследование процесса напыления и свойств износостойких порошковых покрытий, полученных методом импульсного плазменного напыления

Гасин Д.А.; Кораблева И.Р. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 47-48

Методы и средства для поверки толщиномеров покрытий

Laaneots, Rein 1989 https://www.ester.ee/record=b1285532*est

Методы и средства для поверки толщиномеров покрытий : автореферат диссертации на соискание ученой степени доктора технических наук (05.11.01 ; 05.11.15)

Laaneots, Rein 1990 http://www.ester.ee/record=b1519875*est

Методы и средства для поверки толщиномеров покрытий : специальности: 05.11.01 - приборы и методы измерения механических величин ; 05.11.15 - метрология и метрологическое обеспечение

Laaneots, Rein 1989 http://www.ester.ee/record=b2641849*est

Некоторые вопросы методики определения активности поверхности

Piiraja, Eduard; Ebber, Arkadi; Kalvik, Riina; Teder, Jüri Обработка поверхности полиолефинов и декорирование поверхности полиолефинов : материалы республиканской научно-технической конференции. Часть 2 1973 / с. 77-86 : илл https://www.ester.ee/record=b1337100*est

Разработка и исследование методов и образцовых средств для поверки толщиномеров пленок (покрытий) : автореферат ... кандидата технических наук (05.11.15)

Laaneots, Rein 1973 http://www.ester.ee/record=b1345650*est

Технология и оборудование для нанесения порошковых плазменных покрытий

Клявиньш А.; Пиладзис А. Износостойкие порошковые материалы и покрытия : тезисы докладов второй конференции Балтийских республик 1991 / с. 56-57