

A simple method for analysis the content of ferromagnetic particles in oils

Soon, Ants Proceedings of the Third National DAAAM Conference in Estonia : SCIENCE '98 1998 / p. 27-29: ill

An experimental investigation of effect of the velocity slip on modification of the grid-generated turbulence in a gas-solid particles flow [Electronic resource]

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei Proceedings of the 3rd International Symposium on Two-Phase Flow Modelling and Experimentation : ISTP-2004 : Pisa, Italy, September 22-26, 2004 2004 / paper No. as04. [CD-ROM]

https://www.researchgate.net/publication/356393906_Experimental_study_of_the_effect_of_velocity_slip_and_mass_loading_on_the_modification_of_grid-generated_turbulence_in_gas-solid_particles_flows

An experimental study of effect of particles on a turbulence of gas in a gas-solid particles flows

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei NATO Advanced Study Institute Flow and Transport Processes in Complex Obstructed Geometries : from Cities and Vegetative Canopies to Industrial Problems : Kyiv, Ukraine, May 4-12, 2004 2004 / p. 108-109

An experimental study of the effect of particles on the shear stress in particulate turbulent pipe flow

Kartušinski, Aleksander; Mulgi, Anatoli; Tisler, Sergei; Michaelides, Efstathios Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 2, p. 161-168 : ill

Atomic layer deposition of titanium oxide films on As-synthesized magnetic Ni particles: magnetic and safety properties

Uudeküll, Peep; Kozlova, Jekaterina; Mändar, Hugo; Link, Joosep; Sihtmäe, Mariliis; **Käosaar, Sandra**; Blinova, Irina; Kasemets, Kaja; Kahru, Anne; Stern, Raivo Journal of magnetism and magnetic materials 2017 / p. 299-304 : ill

<https://doi.org/10.1016/j.jmmm.2017.01.045> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Behaviour of engineering ceramics at hard-particle erosion

Kleis, Ilmar; Pappel, Priit; Gotzmann, Johannes Proceedings of the 6th Nordic Symposium on Tribology : NORDTRIB '94, 12-15 June 1994 Uppsala, Sweden. Vol. 1, Monday 1994 / p. 215-223: ill

Characterization of powder particle morphology

Mikli, Valdek; Käerdi, Helmo; Kulu, Priit; Besteri, Michal Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 1, p. 22-34 : ill

Characterization of tetrahedrite Cu₁₀Cd₂Sb₄S₁₃ monograin materials grown in molten CD₁₂ and LiI : [conference paper]

Ghisani, Fairouz; Timmo, Kristi; Altosaar, Mare GSFMT Scientific Conference 2021 : Tartu, June 14-15, 2021 : abstracts 2021 / p. 29 https://fmdtk.ut.ee/wp-content/uploads/2021/06/GSFMT_abstractbook_2021.pdf

Comparison of the simulation of turbulent particulate flow in pipes using the TBL, RANS and PDF methods [Electronic resource]

Kartušinski, Aleksander; Michaelides, Efstathios; Zaichik, Leonid 6th International Conference on Multiphase Flow : ICMF2007 : Leipzig, Germany, July 9-13 2007 / [9] p. [CD-ROM]

Deposition of fine solid particles in laminar flat-plate boundary layers [Electronic resource]

Hussainov, Medhat; Kartušinski, Aleksander; Michaelides, Efstathios; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei Proceedings of FEDSM2007 : 5th joint ASME/JSME Fluids Engineering Conference, San Diego, California, USA, July 30 - August 2, 2007 2007 / [7] p. [CD-ROM] <https://asmedigitalcollection.asme.org/FEDSM/proceedings-abstract/FEDSM2007/42886/911/327596?redirectedFrom=PDF>

Deposition of solid particles at streamlined surface in turbulent flow

Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Hussainov, Medhat 7th International Conference on Multiphase Flow : ICMF 2010 : Tampa, FL USA, May 30-June 4, 2010 2010 / [8] p. : ill

Deposition of solid particles at streamlined surface in turbulent flow

Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Hussainov, Medhat Dynamics of non-spherical particles in fluid turbulence, Udine Italy, 2011, April 6-8 2011 / [1] p

Deposition of solid particles from aerosol flow in laminar flat-plate boundary layer = Tahkete osakeste väljasadenemine aerosoolvoolustest tasapinnalise plaadi laminaarses piirkihis

Tisler, Sergei 2006 https://www.ester.ee/record=b2158055*est

Deposition of solid particles in laminar flat-plate boundary layer [Electronic resource]

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei 6th International Conference on Multiphase Flow : ICMF2007 : Leipzig, Germany, July 9-13 2007 / [8] p. [CD-ROM]

Diffusion of oriented particles in porous media

Haber, René; Prehl, Janett; Herrmann, Heiko; Hoffmann, Karl Heinz Physics letters A 2013 / p. 2840-2845 : ill

<https://doi.org/10.1016/j.physleta.2013.08.036> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dispersion of solid particles in grid-generated turbulent flow

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei ANSYS Workshop "Multiphase Flows - Simulation, Experiment and Application" : 24-26 June 2008, Dresden, Germany 2008 / ? p

Dissolution of magnetite particles in acidic conditions

Salmimies, Riina; Häkkinen, Antti; Ekberg, Bjarne; **Kallas, Juha** FILTECH 2009, Wiesbaden, October 13-15, 2009 2009 / ? p

Effects of the variation of mass loading and particle density in gas-solid particle flow in pipes

Kartušinski, Aleksander; Michaelides, Efsthios; **Hussainov, Medhat; Rudi, Ülo** Powder technology 2009 / 2, p. 176-181
<https://www.sciencedirect.com/science/article/pii/S0032591009001958>

Erosion by solid particles : results and trends in Estonia

Kleis, Ilmar; Tadolder, Jüri; Üksti, Lembit First Baltic-Scandinavian Symposium on Mechanics : abstracts 1990 / p. 32

Estimation of the deposition of fine solid particles in a laminar flat-plate boundary layer

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei UK-Israel Workshop "Sprays : Modelling versus Experimentation" : Brighton, UK, July 16-18, 2007 2007 / ? p

Experimental and theoretical determination of restitution coefficient

Kleis, Ilmar; Hussainova, Irina; Štšeglov, Igor International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference, 25-27th September 1997, Tallinn, Estonia 1997 / p. 178-181: ill

Experimental and theoretical investigation of particle-wall collision

Kleis, Ilmar; Hussainova, Irina; Štšeglov, Igor OST-97 Symposium on Machine Design, Tallinn, Estonia, May 22-23, 1997 : proceedings 1997 / p. 208-213 https://www.ester.ee/record=b1083704*est

Experimental study of the effect of velocity slip and mass loading on the modification of grid-generated turbulence in gas-solid particles flows

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 2, p. 169-180 : ill https://artiklid.elnet.ee/record=b1017959*est

Gas-solid particle flow in horizontal channels : decomposition of the particle-phase flow and interparticle collision effects

Kartušinski, Aleksander; Michaelides, Efsthios Journal of fluids engineering 2007 / 6, p. 702-712
https://www.researchgate.net/publication/245357137_Gas-Solid_Particle_Flow_in_Horizontal_Channels_Decomposition_of_the_Particle-Phase_Flow_and_Interparticle_Collision_Effects

Impact between spherical glass particles and different target surfaces

Kleis, Ilmar; Hussainova, Irina; Štšeglov, Igor Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 1, p. 18-25: ill

Impact damage and impact transitions in glass

Hussainova, Irina; Pappel, Toivo OST-99 Symposium on Machine Design : Stockholm, 30th Sept. - 1st Oct., 1999 : proceedings 1999 / p. 59-64: ill

Impact deformations and stresses in target surface

Pappel, Toivo; Järvpõld, Neeme OST-97 Symposium on Machine Design, Tallinn, Estonia, May 22-23, 1997 : proceedings 1997 / p. 9-15: ill https://www.ester.ee/record=b1083704*est

Impact of solid particles against cermet targets

Hussainova, Irina; Kübarsepp, Jakob; Štšeglov, Igor Proc. of BELTRIB-99 Intern. Conference : Gomel, Belarus, 1999 1999 / p. 53-60

Influence of particles properties on the collision of solid particles with hardmetal and cermet

Hussainova, Irina; Kübarsepp, Jakob; Štšeglov, Igor; Tisler, Sergei International Conference Balttrib'99 : 21-22 September 1999, Kaunas, Lithuania : proceedings 1999 / p. 281-287: ill

Investigation of impact of solid particles against hardmetal and cermet targets

Hussainova, Irina; Kübarsepp, Jakob; Štšeglov, Igor Abstracts of 12th International Conference on Wear of Materials, April 25-29, 1999, Atlanta (Georgia), USA 1999 / p. 15

Investigation of impact of solid particles against hardmetal and cermet targets

Hussainova, Irina; Kübarsepp, Jakob; Štšeglov, Igor Tribology international 1999 / p. 337-344 : ill

Investigation of particle - wall impact process

Kleis, Ilmar; Hussainova, Irina Wear 1999 / p. 168-173 : ill

Investigation of particle impact process

Kleis, Ilmar, Pappel, Toivo; Hussainova, Irina; Štšeglov, Igor Journal of friction and wear 1997 / p. 730-735

Investigation of particle-wall collision

Frishman, Feliks; Haljasmaa, Igor; **Pappel, Toivo;** Rudi, Ülo; Štšeglov, Igor Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1994 / 4, lk. 263-270

Investigation of particle-wall collision

Kleis, Ilmar; Frishman, Feliks; **Hussainova, Irina** OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : program, abstracts 1996 / [1] p

Investigation of particle-wall collision

Kleis, Ilmar; Frishman, Feliks; **Hussainova, Irina;** Štšeglov, Igor OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : proceedings 1996 / p. 16-22: ill

Investigation of particle-wall collision

Hussainova, Irina Proceedings of the Second National DAAAM Conference in Estonia : Science'96 1997 / p. 13-19: ill

Investigation of particle-wall collision and erosion prediction

Hussainova, Irina 1999 http://www.ester.ee/record=b1055069*est

Investigation of particle-wall collision and erosion prediction

Hussainova, Irina 1999 http://www.ester.ee/record=b1371968*est

Investigation of the oblique impact of a hard particles against a solid targets

Kleis, Ilmar; Hussainova, Irina OST-98 Symposium on Machine Design, Oulanka, Finland, October 1-3, 1998 : proceedings 1998 / p. 57-65: ill

Kinetics of fine material particles in a disintegrator

Tamm, Jaan; Tadolder, Jüri OST-97 Symposium on Machine Design, Tallinn, Estonia, May 22-23, 1997 : proceedings 1997 / p. 16-24: ill https://www.ester.ee/record=b1083704*est

Magnetite particle dissolution in acidic conditions

Salmimies, Riina; **Kallas, Juha;** Häkkinen, Antti 12th European Symposium on Comminution and Classification (ESCC 2009) : Espoo, Finland, September 15-18, 2009 2009 / ? p

Massless Rarita-Schwinger particles and leptonic decays

Ots, I.; **Loide, Rein-Karl;** Saar, R. Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1991 / 4, lk. 301-306

Method and installation for studying hard-particle kinematics at impact

Kleis, Ilmar; Frishman, Feliks; **Pappel, Toivo** OST-95 Symposium on Machine Design : proceedings, Oulu, Finland, May 18-19, 1995 1995 / p. 15-22: ill https://www.ester.ee/record=b1033949*est

Method for small particle detection by laser

Meigas, Kalju Optical engineering 1998 / 9, p. 2587-2591: ill

Modeling of high-concentration gas-particle flow in a horizontal channel

Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo** Fluid dynamics 2006 / 2, p. 237-248
<https://link.springer.com/content/pdf/10.1007/s10697-006-0037-8.pdf>

Modified simulation of the oblique impact of a hard particle against a ductile solid

Hussainova, Irina OST-99 Symposium on Machine Design : Stockholm, 30th Sept. - 1st Oct., 1999 : proceedings 1999 / p. 49-58: ill

Monitoring the concentration, distribution, origin and size of suspended particles in the water column during harbour dredging in Pakri Bay, the Gulf of Finland

Sipelgas, Liis Boreal environment research 2011 / p. 42-48 : ill <https://www.borenv.net/BER/archive/pdfs/ber16/ber16A-042.pdf>

Možnosti hodnotenia morfologie castic praškov obrazovou analyzou

Kohutek, Ivan; Besterci, Michal; **Kulu, Priit** Pokroky praškove metalurgie 1998 / 1, p. 12-18

A non-linear deformation model for particle impact process

Pappel, Toivo; Põdra, Priit; Järvpõld, Neeme Materials science = Medžiagotyra 2009 / p. 32-34
<https://matsc.ktu.lt/index.php/MatSc/article/view/26116>

Numerical modeling of a two-dimensional vertical turbulent two-phase jet

Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo**; **Tisler, Sergei**; **Štšeglov, Igor** Fluid dynamics 2012 / p. 769-777 : ill
<https://link.springer.com/article/10.1134/S0015462812060099>

Numerical simulation of the distribution characteristics of fine solid particles in a horizontal pipe
Kartušinski, Aleksander Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 2, p. 144-160

Numerical simulation of uprising gas-solid particle (oil-shale ash) turbulent flow in CFB by different mathematical models
Krupenski, Igor; **Kartušinski, Aleksander**; **Siirde, Andres** Proceedings of CYSENI 2010 : the 7th Annual Conference of Young Scientists on Energy Issues : May 27-28, 2010, Kaunas, Lithuania 2010

Particle-laden gas flow in horizontal channels with collision effects
Kartušinski, Aleksander; Michaelides, Efstathios Powder technology 2006 / 2, p. 89-103 : ill
<https://www.sciencedirect.com/science/article/abs/pii/S0032591006002282>

Pathways of suspended particles released in the bottom boundary layer of the Bornholm Deep, Baltic Sea (numerical simulations)

Zhurbas, Victor; **Elken, Jüri**; **Väli, Germo** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 171

Pathways of suspended particles transport in the bottom layer of the southern Baltic Sea depending on the wind forcing (numerical simulations)

Zhurbas, Victor; **Elken, Jüri**; **Väli, Germo**; Kuzmina, Natalia; Paka, Vadim Oceanology 2010 / p. 841-854

Postglacial flooding and vegetation history on the Ob River terrace, central Western Siberia based on the palaeoecological record from Lake Svetlenkoye

Amon, Leeli; **Blaus, Ansis**; **Alliksaar, Tiiu**; **Heinsalu, Atko**; Lapshina, Elena; **Liiv, Merlin**; **Reitalu, Triin**; **Vassiljev, Jüri**; **Veski, Siim** The Holocene 2020 / p. 618–631 <https://doi.org/10.1177/0959683619895582> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Principle of magnetic filtration of wear particles in oils by predicting failures in machines

Soon, Ants International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference 25-27th September 1997, Tallinn, Estonia 1997 / p. 32-33: ill

Processing of recycled hard particle powders by PTA-technology

Zikin, Arkadi; Ilo, S.; **Kulu, Priit**; Katsich, Christian; Badisch, Ewald; **Hussainova, Irina** 20th International Baltic Conference Materials Engineering 2011, October 27-28, Kaunas, Lithuania : book of abstracts 2011 / p. 43

Random walks of oriented particles on fractals

Haber, René; Prehl, Janett; Hoffmann, Karl Heinz; **Herrmann, Heiko** Journal of physics A : mathematical and theoretical 2014 / p. 1-14 : ill <https://doi.org/10.1088/1751-8113/47/15/155001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

RANS modeling of a particulate turbulent round jet

Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo**; Nathan, Graham Chemical engineering science 2010 / 11, p. 3384-3393 : ill <https://www.sciencedirect.com/science/article/pii/S0009250910001107>

Simulation of RF noise propagation to relativistic electron beam properties in a linear accelerator

Maalberg, Andrei; Kuntzsch, Michael; **Petlenkov, Eduard** IFAC-PapersOnLine 2020 / p. 348-354
<https://doi.org/10.1016/j.ifacol.2020.12.184> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Solid particle erosion behavior of ceramics at high and room temperature

Jevgrafova, Natalja; **Pappel, Toivo** Materials Engineering & Balttrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 111-114 : ill

Solid particle erosion of thermal sprayed coatings

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

Some aspects of solid particle erosion of cermets

Hussainova, Irina Tribology international 2001 / p. 89-93

A study of the impact behaviour of spherical and irregular-shape particles

Järvpõld, Neeme; Pappel, Toivo; Štšeglov, Igor OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : proceedings 1996 / p. 23-27: ill https://www.ester.ee/record=b1033950*est

Synthesis and synergistic antibacterial efficiency of chitosan-copper oxide nanocomposites

Laanoja, Jüri; Sihtmäe, Mariliis; Vihodceva, Svetlana; Iesalnieks, Mairis; Otsus, Maarja; Kurvet, Imbi; Kahru, Anne; Kasemets, Kaja Heliyon 2024 / art. e35588 <https://doi.org/10.1016/j.heliyon.2024.e35588> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Teilchenkinematik in Zerkleinerungs- und Klassiermaschinen

Kleis, Ilmar; Pappel, Toivo; Frishman, Feliks XLVI. Berg- und Hüttenmännischer Tag vom 14. bis 17. Juni 1995 : abstracts 1995 / S. 149: ill

The RANS, PDF & TBL simulations of turbulent gas-solid particle flow in vertical pipe [Electronic resource]

Kartušinski, Aleksander; Michaelides, Stathios E.; Zaichik, Leonid 2006 ASME Joint U.S. - European Fluids Engineering Meeting (FEDSM2006) 2006 / [15] p. [CD-ROM] https://www.researchgate.net/publication/267496080_The_RANS_PDF_TBL_simulations_of_turbulent_gas-solid_particle_flow_in_vertical_pipe

The resistance of ceramic materials to hard-particle erosion

Pappel, Toivo; Jevgrafova, Natalja OST-99 Symposium on Machine Design : Stockholm, 30th Sept. - 1st Oct., 1999 : proceedings 1999 / p. 65-70: ill

The solid particle erosion of ceramic materials

Pappel, Toivo; Pappel, Priit OST-98 Symposium on Machine Design, Oulanka, Finland, October 1-3, 1998 : proceedings 1998 / p. 67-72: ill

Засорение суживающихся каналов при протекании жидкости с твердыми включениями

Kangur, H.; Tümanok, Aleksei XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 106 https://www.ester.ee/record=b1306141*est

Исследование процесса ударных взаимодействий частиц

Kleis, Ilmar; Pappel, Toivo; Hussainova, Irina; Štšeglov, Igor Трение и износ 1997 / 6, с. 730-735

Кинематика абразивных частиц в испытательной установке ЦУК-Д

Pappel, Toivo Tallinna Tehnikaülikooli Toimetised 1991 / lk. 25-29: ill

О влиянии геометрической формы абразивного зерна при ударном изнашивании

Tadolder, Jüri Износ, усталость и коррозия металлов : сборник статей. 3 1969 / с. 23-29 : илл https://www.ester.ee/record=b2183085*est <https://digikogu.taltech.ee/et/Item/28ca169d-6b4f-44b6-92fd-45d8fc81e458/>

О движении материальной частицы в многоступенчатом роторном помольном агрегате

Tümanok, Aleksei Математика и теоретическая механика : сборник статей. 8 1975 / с. 37-46 : илл https://www.ester.ee/record=b2190679*est <https://digikogu.taltech.ee/et/Item/b3290b73-29b8-411f-8db3-1bda78623e40>

Осаждение твердых частиц в ламинарном пограничном слое на плоской пластине

Hussainov, Medhat; Kartušinski, Aleksander; Krupenski, Igor; Tisler, Sergei; Štšeglov, Igor Теплофизика высоких температур 2009 / 6, с. 927-936

Применение цифровой трассерной визуализации для исследования дисперсии частиц в турбулентном газовом потоке

Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Hussainov, Medhat; Štšeglov, Igor Теплофизика высоких температур 2012 / с. 408-417: ил