

A PL study of deep bands in CuIn_{1-x}Ga_xSe₂

Krustok, Jüri; Raudoja, Jaan; Yakushev, M.V.; Pilkington, R.D.; Hill, A.E.; Collan, Heikki Twelfth International Conference on Ternary and Multinary Compounds : March 13-17, 2000 : National Tsing Hua University, Hsinchu, Taiwan : abstract[s] 2000 / p. P2-61

Adsorptsiooni termodünaamika kui tahkete materjalide omaduste peegeldus = Thermodynamics of adsorption - an expression of properties of solid materials

Mölder, Leevi XVII Eesti keemiapäevad : teaduskonverentsi ettekannete refereaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 127-128 https://www.ester.ee/record=b1070511*est

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

CFD modelling of solid-liquid suspension flow in a horizontal pipe [Electronic resource]

Yang, Guangyu; Enqvist, Yuko; Qu, Haiyan; Louhi-Kultanen, Marjatta; **Kallas, Juha;** Wang, J. ECCE-6 proceedings : 6th European Congress on Chemical Engineering (ECCE-6) : Copenhagen, 16-21 September 2007 / ? p. [CD-ROM]
https://folk.ntnu.no/skoge/prost/proceedings/ecce6_sep07/upload/1132.pdf

Creation of defects in solids: effect of long-range forces

Hižnjakov, Vladimir; Haas, Mati; **Klopov, Mihhail;** Šelkan, Aleksander Advances in applied physics and materials science congress : 12.-15.05.2011, Antalya, Turkey. Vol. 1 2011 / p. 467

Deformation waves in solids

Engelbrecht, Jüri Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 13-30
https://www.researchgate.net/profile/Jueri-Engelbrecht/publication/226633838_Deformation_Waves_in_Solids/links/0a85e53302909b0e6f000000/Deformation-Waves-in-Solids.pdf

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 particle in laminar boundary layer on a flat plate

Kartušinski, Aleksander; Krupenski, Igor; **Tisler, Sergei;** **Hussainov, Medhat; Štšeglov, Igor** High temperature 2009 / 6, p. 892-901 <https://link.springer.com/article/10.1134/S0018151X09060170>

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]

Design and analysis of a DC solid-state circuit breaker for energy router application : [conference paper]

Rahimpour, Saeed 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 / p. 63-64 : ill https://www.ester.ee/record=b5504019*est

Design of the elastic double-spiral strip under local loading

Heinloo, Mati; Külasalu, Margus Proceedings of the Estonian Academy of Sciences. Engineering 1997 / 3, p. 185-195

Dispersion analysis of wave motion in microstructured solids = Lainete dispersioon mikrostruktuuriga materjalides
Peets, Tanel 2011

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

Dispersive waves in microstructured solids

Berezovski, Arkadi; Engelbrecht, Jüri; Salupere, Andrus; Tamm, Kert; Peets, Tanel; Berezovski, Mihhail International journal of solids and structures 2013 / p. 1981-1990 : ill <https://doi.org/10.1016/j.ijsolstr.2013.02.018> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Echo impulse method used to measure the adsorption on the ultrasounds in solids

Todoran, Radu; Blandu, Larisa; Todoran, Daniela Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 255-259: ill

Eksperimentaalmehaanika : loengukonspekt

Aben, Hillar; Josepson, Jüri; **Tärno, Ülo** 1995 https://www.ester.ee/record=b5385767*est

Electrochemical methods to establish the surface roughness of solid surfaces

Lust, Enn; Jänes, A.; Miidla, P.; Sammelselg, V.; Lust, K. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 85

Elektrokeemilised meetodid tahkete pindade kareduse määramiseks

Lust, Enn; Jänes, A.; Miidla, P.; Sammelselg, V.; Lust, K. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 76

Emergence of solitary deformation waves in Mindlin-type microstructured solids

Tamm, Kert; Salupere, Andrus International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 33

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

Erosion-corrosion wear of WC-Co hardmetals in solid-liquid mixture

Viljus, Mart; Pirso, Jüri Materials Engineering & Baltrib 2001 : materials of the X-th International Baltic Conference : September 27-28, Jurmala, Latvia 2001 / p. 193-197 : ill

Erratum to : Thermodynamic approach to generalized continua

Van, Peter; **Berezovski, Arkadi**; Papenfuss, Christina Continuum mechanics and thermodynamics 2014 / p. 421-422
<https://doi.org/10.1007/s00161-014-0332-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Euromech 436, ehk, Nonlinear waves in microstructured solids : [Euroopa Mehaanikaühingu kollokviumist : TTÜ Küberneetika Instituudi korraldusel : 1. juunil, Tallinnas]

Kutser, Mati Mente et Manu 2002 / 18. juuni, lk. 4 https://www.ester.ee/record=b1242496*est

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 estimation of solid surface free energy of different species of wood by meniscus shape analysis

Otto, Kairi; Kaps, Tiit; Starkopf, Jüri-Aleksander Chemine tehnoloogia 2005 / 1, p. 75-79

Faasisiirdefrondid martensiitsetes tahkistes : kommentaar eesti Vabariigi teaduse aastapreemia saanud tööle

Berezovski, Arkadi Tallinna Tehnikaülikooli aastaraamat 2004 2005 / lk. 199-202

Foreword

Salupere, Andrus; Maugin, Gerard A. Proceedings of the Estonian Academy of Sciences 2015 / p. 201-202 ; Vol. 64, 3S, p. 323-324

Front dynamics in inhomogeneous solids

Berezovski, Arkadi; Engelbrecht, Jüri; Maugin, Gerard A. Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2007 / p. 155-161 https://www.ester.ee/record=b1072098*est

Full field computing for elastic pulse dispersion in inhomogeneous bars

Berezovski, Arkadi; Kolman, Radek; Berezovski, Mihhail; Gabriel, Dusan; Adámek, V. Composite structures 2018 / p. 388-394 : ill <https://doi.org/10.1016/j.compstruct.2018.07.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Kartušinski, Aleksander; Michaelides, Efstathios 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

Gas-solid particle flow in horizontal channels at high mass loadings [Electronic resource]

Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo** Proceedings of the 5th International Conference on Multiphase Flow : ICMF-2004 : Yokohama, Japan, May 30-June 4, 2004 2004 / Paper No. 159. [CD-ROM]

Gas-solid particle mixture in vertical duct by RANS approach

Kartušinski, Aleksander; Michaelides, S.E.; **Pihlak, Uku** Chemical and process engineering 2005 / 3, p. 413-426 https://www.researchgate.net/publication/290058444_Gas-solid_particle_mixture_in_vertical_duct_by_RANS_approach

Global ellipsoid-referenced topographic, bathymetric and stripping corrections to gravity disturbance

Vajda, Peter; **Ellmann, Artu**; Meurers, B.; Vanicek, P.; Novak, Pavel; Tenzer, Robert Studia geophysica et geodaetica 2008 / 1, p. 19-34 <https://link.springer.com/article/10.1007/s11200-008-0003-5>

Grid-generated turbulence in two-phase flow : the effect of parameters of the carrier medium and particles

Kartušinski, Aleksander; **Rudi, Ülo**; Tisler, Sergei; Hussainov, Medhat; Štšeglov, Igor High temperature 2009 / 2, p. 272-278 <https://link.springer.com/article/10.1134/S0018151X09020187>

Heat conduction in microstructured solids

Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 131-145 https://doi.org/10.1007/978-3-319-56934-5_10 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

High frequency intrinsic localized modes in solids: an example of metallic Ni

Hižnjakov, Vladimir; Haas, Mati; **Klopov, Mihhail**; Šelkan, Aleksander Book of abstracts. Programme : 3rd Bilateral Estonian-German Workshop "Strong Nonlinear Vibronic and Electronic Interactions in Solids" : Cottbus, Germany, June 13-15, 2011 2011 / p. 39

Identification of microstructured materials by phase and group velocities

Janno, Jaan; **Engelbrecht, Jüri** Mathematical modelling and analysis 2009 / 1, p. 57-68 <https://www.tandfonline.com/doi/abs/10.3846/1392-6292.2009.14.57-68>

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 of solid particles against cermet targets

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

Influence of microstructure on thermoelastic wave propagation

Berezovski, Arkadi; **Berezovski, Mihhail** Acta mechanica 2013 / p. 2623-2633 : ill <https://doi.org/10.1007/s00707-013-0884-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Interaction of deformation waves with internal structures in solids

Engelbrecht, Jüri; Berezovski, Arkadi; Peets, Tanel; Tamm, Kert Contributions to the Foundations of Multidisciplinary Research in Mechanics : papers presented during the 24th International Congress of Theoretical and Applied Mechanics ICTAM 2016, Montreal, August 22-26, 2016. Vol. 3 2017 / p. 2236-2237 : ill http://iutam.org/wp-content/uploads/2017/02/ICTAM_Proceedings_Vol_3.pdf

Interaction of solitary deformation waves in microstructured solids

Salupere, Andrus; Tamm, Kert; Engelbrecht, Jüri Book of abstracts the Fifth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, USA, April 16-19, 2007 2007 / p. 114

Internal scales and dispersive properties of microstructured materials

Peets, Tanel Mathematics and computers in simulation 2016 / p. 220-228 : ill <https://doi.org/10.1016/j.matcom.2014.03.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Internal variables associated with microstructures in solids

Berezovski, Arkadi Mechanics research communications 2018 / p. 30-34 <https://doi.org/10.1016/j.mechrescom.2017.07.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Internal variables in thermoelasticity

Berezovski, Arkadi; Van, Peter 2017 <https://doi.org/10.1007/978-3-319-56934-5>

Internal variables representation of generalized heat equations

Berezovski, Arkadi Continuum mechanics and thermodynamics 2019 / p. 1733–1741 <https://doi.org/10.1007/s00161-018-0729-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inverse problems for microstructured materials

Janno, Jaan 4th International Conference Inverse Problems : Modelling and Simulation : Fethiye, 26-30.05.2008 : abstracts 2008 / p. 85

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-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; Štšeglov, Igor OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : proceedings 1996 / p. 16-22: 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

2004. aasta teaduspreemia tehnikateaduste alal töö "Faasisiirdefrondid martensiitsetes tahkistes" eest : [Arkadi Berezovski]le]

Berezovski, Arkadi Teadusmõtte Kübermeetika Instituudis 2010 / lk. 110-119 : ill

Lained tahkistes. Lainevõrrand. Materjalide sisestruktuur. Hierarhiline lainevõrrand

Engelbrecht, Jüri Keeruka maailma võlu 2015 / lk. 17-21 : ill https://www.ester.ee/record=b4488344*est

Measurement of current pulses due to discharges in a gaseous cavity in solid dielectric

Salvage, B.; **Tapupere, Olev** Electronics letters : an international publication 1968 / p. 529-530
https://www.ester.ee/record=b2180432*est

Meetod ja seade tahkise astet iseloomustavate suuruste mõõtmiseks : [uus patent]

Ajaots, Maido Inseneeria 2009 / 8(16), lk. 30, 32 : skeem https://artiklid.elnet.ee/record=b1497091*est

Microcalorimetric study of the growth of bacterial colonies of Lactococcus lactis IL1403 in agar gels

Kabanova, Natalja; Stulova, Irina; Vilu, Raivo Food microbiology 2012 / p. 67-79 : ill
<https://www.sciencedirect.com/science/article/pii/S0740002011002036>

Microinertia and internal variables

Berezovski, Arkadi; Van, Peter Continuum mechanics and thermodynamics 2016 / p. 1027-1037 <https://doi.org/10.1007/s00161-015-0453-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructured continua and scaling for wave motion

Engelbrecht, Jüri Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali 2013 / art. A8
<https://doi.org/10.1478/AAPP.91S1A8> [Journal metrics at Scopus](#) [Article at Scopus](#)

Microstructured materials : inverse problems

Janno, Jaan; Engelbrecht, Jüri 2011 https://www.ester.ee/record=b2720026*est

Microstructured solids and inverse problems

Engelbrecht, Jüri; Janno, Jaan Rendiconti del Seminario Matematico (Universita e Politecnico di Torino) 2007 / p. 159-169
https://www.researchgate.net/publication/267166606_Microstructured_solids_and_inverse_problem

Modeling of defect formation and self-localized vibrations in solids

Hižnjakov, Vladimir; Haas, Mati; Šelkan, Aleksander; **Klopov, Mihhail** 2012 Computer Simulation of Radiation Effects in Solids, Santa Fe, New Mexico, USA, June 24-29, 2012 : COSIRES 2012 program book 2012 / p. 24
<https://www.sciencedirect.com/science/article/pii/S0168583X1300222X>

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

NMR assignment of methyl groups in immobilized proteins using multiple-bond ¹³C homonuclear transfers, proton detection, and very fast MAS

Paluch, Piotr; Augusyniak, Rafal; **Org, Mai-Liis; Vanatalu, Kalju; Kaldma, Ats; Samoson, Ago;** Stanek, Jan Frontiers in Molecular Biosciences 2022 / Art. 828785 <https://doi.org/10.3389/fmolb.2022.828785> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear dispersive wave equations for microstructured solids

Berezovski, Arkadi Proceedings of the Estonian Academy of Sciences 2015 / p. 203-211 https://artiklid.elnet.ee/record=b2740520*est
<https://doi.org/10.3176/proc.2015.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear two-dimensional longitudinal and shear waves in solids

Peipman, Tõnu; Valdek, Urmas; Engelbrecht, Jüri Acustica 1992 / p. 84-94

Nonlinear waves and solitons in complex solids

Pastrone, Franco; Engelbrecht, Jüri Mathematics and mechanics of solids 2016 / p. 52-59 : ill
<https://doi.org/10.1177/1081286515572245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear waves in continuous media

Engelbrecht, Jüri Encyclopedia of Continuum Mechanics 2020 https://doi.org/10.1007/978-3-662-55771-6_235

Nonlinear waves in solids

Engelbrecht, Jüri; Berezovski, Arkadi; Salupere, Andrus Proceedings of International Symposium on Mechanical Waves in Solids : Zehejiang University, Hangzhou, China, May 15-18, 2006 2006 / p. 16-17

Nonlinear waves in solids and inverse problems

Engelbrecht, Jüri; Ravasoo, Arvi; **Salupere, Andrus** Abstract Book, IUTAM Symposium on Computational Mechanics of Solid Materials at Large Strains : August 20-24, 2001, Stuttgart, Germany 2001 / p. ?

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

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

Numerical simulation of interaction of solitary deformation waves in microstructured solids

Salupere, Andrus; **Tamm, Kert**; **Engelbrecht, Jüri** International journal of non-linear mechanics 2008 / 3, p. 201-208 : ill
<https://www.sciencedirect.com/science/article/pii/S0020746207002338>

Numerical simulation of propagation of solitary deformation waves in microstructured solids

Salupere, Andrus; **Engelbrecht, Jüri**; **Tamm, Kert** USNCCM IX : Ninth US National Congress on Computational Mechanics : San Francisco, CA, July 22-26, 2007 : [book of abstracts] 2007 / [8] p

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

On modelling of wave propagation in microstructured solids

Engelbrecht, Jüri; **Berezovski, Arkadi** Estonian journal of engineering 2013 / p. 171-182 https://artiklid.elnet.ee/record=b2632885*est
<https://doi.org/10.3176/eng.2013.3.01> [Article at Scopus](#)

On periodic waves governed by the extended Korteweg-deVries equation

Braun, Manfred; **Randrüüt, Merle** International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 10

On propagation of 1D solitary waves in Mindlin-type microstructured solids

Tamm, Kert; **Salupere, Andrus** Book of abstracts : The Sixth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, March 23-26, 2009 2009 / p. 86
<https://www.sciencedirect.com/science/article/pii/S0378475410002260>

On solitons in microstructured solids and granular materials

Salupere, Andrus; **Engelbrecht, Jüri**; **Ilison, Olari**; **Ilison, Lauri** Mathematics and computers in simulation 2005 / p. 502-513 : ill

On solutions of a Boussinesq-type equation with displacement-dependent nonlinearities : the case of biomembranes

Engelbrecht, Jüri; **Tamm, Kert**; **Peets, Tanel** Philosophical magazine 2017 / p. 967-987 : ill
<https://doi.org/10.1080/14786435.2017.1283070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the influence of microstructure on heat conduction in solids

Berezovski, Arkadi International journal of heat and mass transfer 2016 / p. 516-520
<https://doi.org/10.1016/j.ijheatmasstransfer.2016.07.085> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the interaction of deformation waves in microstructured solids

Salupere, Andrus; **Tamm, Kert**; **Engelbrecht, Jüri**; **Peterson, Pearu** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2007 / 2, p. 93-99 : ill

On the Mindlin microelasticity in one dimension

Berezovski, Arkadi Mechanics research communications 2016 / p. 60-64 : ill <https://doi.org/10.1016/j.mechrescom.2016.09.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the propagation of 1D solitary waves in Mindlin-type microstructured solids

Tamm, Kert; **Salupere, Andrus** Mathematics and computers in simulation 2012 / p. 1308-1320 : ill
<https://www.sciencedirect.com/science/article/pii/S0378475410002260>

On the propagation of solitary pulses in microstructured media

Ilison, Olari; **Salupere, Andrus** The Forth International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, April 10-14, 2005 : book of abstracts 2005 / p. 150
<https://www.sciencedirect.com/science/article/abs/pii/S0960077905006491>

On the propagation of solitary waves in microstructured solids

Ilison, Olari; **Salupere, Andrus** 21st International Congress of Theoretical and Applied Mechanics : August 15-21, 2004, Warsaw, Poland : ICTAM04 : abstracts and CD-ROM proceedings 2004 / p. 275

On the propagation of solitary waves in Mindlin-type microstructured solids

Tamm, Kert; **Salupere, Andrus** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 118-125 : ill

On the role of nonlinearities in the Boussinesq-type wave equations

Peets, Tanel; Tamm, Kert; Engelbrecht, Jüri Wave motion 2017 / p. 113-119 : ill <https://doi.org/10.1016/j.wavemoti.2016.04.003>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the stability of a microstructure model

Berezovski, Mihail; Berezovski, Arkadi Computational materials science 2012 / p. 193-196 : ill
<https://www.sciencedirect.com/science/article/pii/S0927025611000516>

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>

Periodic and solitary waves in microstructured solids and related inverse problems

Janno, Jaan; Sertakov, Ivan 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 57

Periodic waves in microstructured solids and inverse problems

Sertakov, Ivan; Janno, Jaan Mathematical modelling and analysis 2012 / p. 599-617
https://www.researchgate.net/publication/261695332_Periodic_Waves_in_Microstructured_Solids_and_Inverse_Problems

Photoinjection of hydrogen in solids

Gavrilyuk, A.I.; Lanskaya, T.G. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 33-36: ill

Propagation of solitary pulses in microstructured solids [Electronic resource]

Salupere, Andrus; Tamm, Kert; Engelbrecht, Jüri 6th European Solid Mechanics Conference ESMC2006 : 28 August - 1 September 2006, Budapest, Hungary : proceedings 2006 / [2] p. [CD-ROM]

Protein resonance assignment at MAS frequencies approaching 100 kHz : a quantitative comparison of J-coupling and dipolar-coupling-based transfer methods

Penzel, Susanne; Smith, Albert A.; Agarwal, Vipin; Hunkeler, Andreas; **Org, Mai-Liis; Samoson, Ago**; Böckmann, Anja; Ernst, Matthias; Meier, Beat H. Journal of Biomolecular NMR 2015 / p. 165 - 186 <https://doi.org/10.1007/s10858-015-9975-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Questions about elastic waves

Engelbrecht, Jüri 2015 https://www.ester.ee/record=b4467528*est

RANS modelling in gas-solid particle vertical flow : keynote [Electronic resource]

Kartušinski, Aleksander; Michaelides, Efstathios Proceedings of FEDSM2005 : 2005 ASME Fluids Engineering Division Summer Meeting and Exhibition : June 19-23, 2005, Houston, TX, USA 2005 / paper No.77132, p. 1-13 : ill. [CD-ROM]
<https://asmedigitalcollection.asme.org/FEDSM/proceedings-abstract/FEDSM2005/41987/591/312773>

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

Solid phase and ion beam epitaxial crystallization of Si implanted with Zn and Pb ions

Angelov, Christo; Georgiev, S.; Amov, Blagoj; **Mikli, Valdek**; Lohner, Tivador Journal of optoelectronics and advanced materials 2007 / 2, p. 311-314
https://www.researchgate.net/publication/289467840_Solid_phase_and_ion_beam_epitaxial_crystallization_of_Si_implanted_with_Zn_and_Pb_ion_s

Solid-state NMR backbone chemical shift assignments of α -synuclein amyloid fibrils at fast MAS regime

Toleikis, Zigmantas; Paluch, Piotr; Kuc, Ewelina; Petkus, Jana; Sulskis, Darius; **Org-Tago, Mai-Liis; Samoson, Ago**; Smirnovas, Vytautas; Stanek, Jan; Lends, Alons Biomolecular NMR assignments 2024 / p. 181-186 <https://doi.org/10.1007/s12104-024-10186-2>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solitary waves in dispersive solids

Engelbrecht, Jüri; Salupere, Andrus; Peterson, Pearu; Maugin, Gerard 3rd EUROMECH Solid Mechanics Conference : book of abstracts 1997 / p. 336

Solitons modelled by Boussinesq-type equations

Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert Mechanics research communications 2018 / p. 62-65

<https://doi.org/10.1016/j.mechrescom.2017.05.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Soojustehnika

Ots, Arvo Masinaehitaja käsiraamat. 1. kd 1968 / lk. 169-193 https://www.ester.ee/record=b1298495*est

Stationary of the strain energy density in anisotropic solids

Majak, Jüri; Pohlak, Meelis 8th World Congress on Structural and Multidisciplinary Optimization 2009 / ? p

Stationary of the strain energy density in anisotropic solids

Majak, Jüri; Pohlak, Meelis World journal of engineering 2011 / p. 765-766

<https://www.sciencedirect.com/science/article/abs/pii/S0020768303003718>

Stress and solitary waves in solids

Engelbrecht, Jüri; Ravasoo, Arvi; **Salupere, Andrus** Proceedings of the Fourth Conference of the European Association for Structural Dynamics - EURO DYN '99 : Prague, Czech Republic, 7-10 June 1999 1999 / p. 23-30

Tahkekeha elektroonika elementide projekteerimise ja katsetamise numbrilised meetodid ja vahendid : vabariikliku nõupidamise ettekannete teesid

1989 https://www.ester.ee/record=b3661827*est

The effect of erosion parameters on the erosion rate of ceramics

Hussainova, Irina; Jevgrafova, Natalja Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 183-185 : ill

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 role of heterogeneity in heat pulse propagation in a solid with inner structure

Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 123-130 https://doi.org/10.1007/978-3-319-56934-5_9

[Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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

Theory and molecular dynamics simulations of intrinsic localized modes and defect formation in solids

Hižnjakov, Vladimir; Haas, Mati; Šelkan, Aleksander; Klopov, Mihhail Physica scripta 2014 / p. 1-5 : ill <https://doi.org/10.1088/0031-8949/89/04/044003>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermodynamic approach to generalized continua

Van, Peter; Berezovski, Arkadi; Papenfuss, Christina Continuum mechanics and thermodynamics 2014 / p. 403-420

<https://doi.org/10.1007/s00161-013-0311-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermoelastic waves in microstructured solids

Berezovski, Arkadi; Berezovski, Mihhail Continuous media with microstructure 2 2016 / p. 137-150 https://doi.org/10.1007/978-3-319-28241-1_9

Turbulent particulate pipe flow at constant Reynolds number

Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo; Tisler, Sergei** Abstract book of the 23rd International Congress of Theoretical and Applied Mechanics : August 19-24, 2012, Beijing, China 2012 / p. 61

A two-layer elastic strip under transverse impact loading : analytical solution, finite element, and finite volume simulations

Adámek, V.; Berezovski, Arkadi; Mračko, Michal; Kolman, Radek Mathematics and computers in simulation 2021 / p. 126-140

<https://doi.org/10.1016/j.matcom.2020.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wave hierarchy in microstructured solids

Engelbrecht, Jüri; Pastrone, Franco; Cermelli, P. Geometry, mechanics, micro-structure 1999 / p. 99-111

Wave propagation and interaction in Mindlin-type microstructured solids: numerical simulation = Lainelevi ja interaktsiooni numbriline modelleerimine Mindlini tüüpi mikrostruktuursetes tahkistes
Tamm, Kert 2011 https://www.ester.ee/record=b2679197*est

Wave propagation in microstructured solids: solitary and periodic waves = Lainelevi mikrostruktuursetes tahkistes: üksik- ja perioodilised lained
Randrüüt, Merle 2010 https://www.ester.ee/record=b2632234*est <https://digikogu.taltech.ee/et/Item/9683b675-5146-455d-bc36-179d856a5628>

Waves in inhomogeneous solids
Berezovski, Arkadi; Berezovski, Mihail; Engelbrecht, Jüri Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 55-81 : ill https://link.springer.com/chapter/10.1007/978-3-642-00585-5_5

Waves in microstructured materials and dispersion
Engelbrecht, Jüri; Berezovski, Arkadi; Pastrone, Franco; Braun, M. Philosophical magazine 2005 / p. 4127-4141 : ill

Waves in microstructured solids : inverse problems
Janno, Jaan; Engelbrecht, Jüri Wave motion 2005 / p. 1-11

Waves in solids : overview
Berezovski, Arkadi Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 9-11

Üksiklained mittelineaarses mikrostruktuuriga tahkises ja nendega seotud pöördülesanne
Janno, Jaan; Engelbrecht, Jüri Aastaraamat 2005 / Eesti Matemaatika Selts 2006 / lk. 12-29

Всесоюзный симпозиум взаимодействие акустических волн с упругими телами : (Таллинн, 26-27 октября 1989 г.) : краткие тексты докладов
1989 https://www.ester.ee/record=b1296539*est

Вычисление акустического поля, рассеянного и излученного произвольной подкрепленной цилиндрической оболочкой : автореферат ... кандидата физико-математических наук (01.02.04)
Ross, Urmas 1990 http://www.ester.ee/record=b1224955*est

Вычисление акустического поля, рассеянного и излученного произвольной подкрепленной цилиндрической оболочкой : диссертация ... кандидата физико-математических наук : 01.02.04 - механика деформируемого твердого тела
Ross, Urmas 1990 http://www.ester.ee/record=b2479216*est

Дифракция узконаправленных волн на цилиндрических телах
Klauson, Aleksander Теория и расчет тонкостенных пространственных конструкций 1985 / с. 135-141

Задачи качения тела произвольной формы с гладкой выпуклой поверхностью на плоскости
Haitin, Ariel Исследования по динамике конструкций 1981 / с. 98-102 : илл. https://www.ester.ee/record=b1309334*est

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

Измерение линейного износа миниатюрных образцов
Laaneots, Rein Трение и износ в машинах 1983 / с. 59-68 : ил https://www.ester.ee/record=b2191148*est
<https://digikogu.taltech.ee/et/Item/876d7109-271d-48ba-b6b2-7bd68c0f4458>

Исследование локальной неупорядоченности в твердых растворах CdS_{1-x}Se_x методами ЯМР спектроскопии высокого разрешения
Lippmaa, J.; Varvas, Jüri Электронные материалы 1989 / с. 17-29

Некоторые дифференциальные уравнения движения твердого тела
Golst, Georgi Механика твердого деформируемого тела = Tahke deformeeruva keha mehhaanika 1985 / с. 105-114
https://www.ester.ee/record=b1230083*est

Нелинейные волновые процессы деформации в твердой среде
Engelbrecht, Jüri Механика твердого деформируемого тела = Tahke deformeeruva keha mehhaanika 1984 / с. 29-35
https://www.ester.ee/record=b1230083*est

Образование волнистых поверхностей в процессе изнашивания
Suur, Uno Износ, усталость и коррозия металлов : сборник статей. 2 1966 / с. 45-62, [12] с. : илл

https://www.ester.ee/record=b2182111*est <https://digikogu.taltech.ee/et/Item/28931306-2b98-4361-82fd-7171241556da>

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

Предельное состояние равновесия тела на шероховатой плоскости

Kurilenko, N.; Lüütre, Enn Тезисы докладов XXXI студенческой научно-технической конференции 1980 / с. 44-45

https://www.ester.ee/record=b1319482*est

Расчет квазихимических коэффициентов точечных дефектов в твердых телах

Kukk, Peeter-Enn; Mädasson, Jaan; Tuvike, Tiit; Krustok, Jüri; Tomson, A. Дефекты структуры и свойства керамики : четвертое Всесоюзное совещание по химии твердого тела, 11-13 июня 1985 г. : тезисы докладов. Ч.2 1985 / с. 14

Решение краевых задач для поляризованных оболочек при наличии в их полости поляризованных тел

Roninson, Aleksander Теоретическая электротехника : республиканский межведомственный научно-технический сборник 1989 / с. 101-111 : илл https://www.ester.ee/record=b1895084*est

Специализированные базы данных для программных средств моделирования и анализа элементов твердотельной электроники

Orro, S.; Rang, Toomas Машинное проектирование электронных устройств и систем 1989 / с. 20-24

Численное моделирование трехмерного потока "газ-твердые частицы" в горизонтальной трубе

Kartušinski, Aleksander; Martins, Ants; Michaelides, Efsthathios; **Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor** Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15 – 17 ноября 2010 г. : тезисы докладов 2010 / с. 100 101

Экспериментальное определение теплопроводности твердых тел методом монотонного нагрева

Käär, Harri; Los, Anna; Jankevits, Irina XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 97 https://www.ester.ee/record=b1322629*est