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

An experimental study of the grid-generated turbulence in a two-phase flow - the control of the velocity slip [Electronic resource]
Hussainov, Medhat; **Kartušinski, Aleksander**; **Štšeglov, Igor**; Stock, D.E.; **Tisler, Sergei** Proceedings of the 11 Workshop on Two-Phase Flow Predictions : 2005, Merseburg, Germany 2005 / [12] p. [CD-ROM]

Application of particle tracking velocimetry for studying the dispersion of particles in a turbulent gas flow
Kartušinski, Aleksander; **Rudi, Ülo**; **Tisler, Sergei**; **Hussainov, Medhat**; **Štšeglov, Igor** High temperature 2012 / p. 381-390 : ill
https://link.springer.com/article/10.1134/S0018151X12030133

Assemblage of turbulent jet flows through static particulate media
Lauk, Peep; Rebassa, Josep Hueso; **Kartušinski, Aleksander**; **Tisler, Sergei**; **Tähemaa, Toivo**; Polonsky, Andrei Proceedings of the Estonian Academy of Sciences 2016 / p. 284-296 : ill https://doi.org/10.3176/proc.2016.3.05
https://artiklid.elnet.ee/record=b2798402*est Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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]

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

Dynamic coefficients in impact mechanics
Hussainova, Irina; Schade, Klaus-Peter; **Tisler, Sergei** Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 1, p. 26-39 : ill

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

Eulerian-Eulerian modelling of particle-laden two-phase flow
Kartušinski, Aleksander; **Tisler, Sergei**; Oliveira, Jorge L. G.; Geld, C. W. M., van der Powder technology 2016 / p. 999-1007 : ill https://doi.org/10.1016/j.powtec.2016.07.053 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

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

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 grid-generated turbulent particulate flow by three-dimensional Reynolds stress
Kartušinski, Aleksander; **Rudi, Ülo**; Stock, David; **Hussainov, Medhat**; **Štšeglov, Igor**; **Tisler, Sergei**; **Šablinski, Aleksandr** Proceedings of the Estonian Academy of Sciences 2013 / p. 161-174 : ill https://doi.org/10.3176/proc.2013.3.02 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Numerical simulation of three-dimensional gas-solid particle flow in a horizontal pipe
Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo**; **Tisler, Sergei**; **Štšeglov, Igor** AIChE journal 2011 / p. 2977-2988 : ill

Numerical simulation of uprising gas-solid particle flow in circulating fluidised bed
Kartušinski, Aleksander; **Martins, Ants**; **Rudi, Ülo**; **Štšeglov, Igor**; **Tisler, Sergei**; **Krupenski, Igor**; **Siirde, Andres** Oil shale 2008 / p. 125-138 : ill https://artiklid.elnet.ee/record=b1456418*est

Numerical simulation of upward particulate pipe flows at constant Re
Kartušinski, Aleksander; **Rudi, Ülo**; **Tisler, Sergei**; **Štšeglov, Igor**; **Šablinski, Aleksandr** Proceedings of the 8th Internatinal Conference on Multiphase Flow (ICMF 2013) : Jeju, Korea, May 26-31, 2013 2013 / p. 1-7 : ill

Numerical study of upward particulate pipe flows at a constant Reynolds number
Kartušinski, Aleksander; **Rudi, Ülo**; **Tisler, Sergei**; **Štšeglov, Igor**; **Šablinski, Aleksandr** Proceedings of the Estonian Academy of Sciences 2013 / p. 97-108 : ill https://doi.org/10.3176/proc.2013.2.03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Particle motion in the vortices generated by a localized force
Kaplanski, Felix; **Rudi, Ülo**; **Tisler, Sergei** Chemical and process engineering 2005 / 3, p. 427-436 https://yadda.icm.edu.pl/baztech/element/bwmeta1.element.baztech-article-BGPK-1183-5137

Particles deposition at horizontal flat plate in turbulent particulate flow
Kartušinski, Aleksander; **Hussainov, Medhat**; Michaelides, Efstathios; **Rudi, Ülo**; **Štšeglov, Igor**; **Tisler, Sergei**; **Krupenski, Igor** The Canadian journal of chemical engineering 2014 / p. 1-12 : ill https://doi.org/10.1002/cjce.21923 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

RANS numerical simulation of turbulent particulate pipe flow for fixed Reynolds number
Kartušinski, Aleksander; **Rudi, Ülo**; **Štšeglov, Igor**; **Tisler, Sergei**; **Krupenski, Igor** Computational and numerical simulations 2014 / p. 21-40 : ill

RSTM numerical simulation of channel particulate flow with rough wall
Kartušinski, Aleksander; **Rudi, Ülo**; **Hussainov, Medhat**; **Štšeglov, Igor**; **Tisler, Sergei**; **Krupenski, Igor**; **Stock, David** Computational and numerical simulations 2014 / p. 41-63 : ill

3D RANS-RSTM numerical simulation of channel turbulent particulate flow with wall roughness
Kartušinski, Aleksander; **Rudi, Ülo**; Stock, David; **Hussainov, Medhat**; Štšeglov, Igor; **Tisler, Sergei** 11th International Conference on Numerical Analysis and Applied Mathematics 2013 : ICNAAM-2013 : Rhodes, Greece, 21-27 September 2013 2013 https://doi.org/10.1063/1.4825690 Conference Proceedings at Scopus Article at Scopus Article at WOS

3D RSTM and PDF modeling for turbulent particulate channel flows
Kartušinski, Aleksander; **Hussainov, Medhat**; **Rudi, Ülo**; **Štšeglov, Igor**; **Tisler, Sergei** Smart and Green Interfaces : COST Action MP 1106 - Annual meeting and 5th International Conference on Heat Transfer and Fluid Flow in Microscale Joint Conference : 22-24 April 2014, Campus St. Charles, Marseille, France : book of abstracts 2014 / p. O-39

3D RSTM modeling for particulate grid-generated turbulent and shear flows [Electronic resource]
Kartušinski, Aleksander; **Hussainov, Medhat**; **Štšeglov, Igor**; **Tisler, Sergei**; Kosinski, Pawel; Balakin, Boris V.; **Lauk, Peep**; **Seegel, Karl-Erik** 9th International Conference on Multiphase Flow : ICMF 2016 : May 22-27 2016, Firenze, Italy : proceedings 2016 / [CD-ROM]

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

Two-fluid RANS-RSTM-PDF model for turbulent particulate flows
Lauk, Peep; **Kartušinski, Aleksander**; **Hussainov, Medhat**; Polonsky, Andrei; **Rudi, Ülo**; **Štšeglov, Igor**; **Tisler, Sergei**; **Seegel, Karl-Erik** Numerical simulation : from brain imaging to turbulent flows 2016 / p. 339-363 : ill http://dx.doi.org/10.5772/63338

Осаждение твердых частиц на обтекаемую поверхность в турбулентном потоке
Kartušinski, Aleksander; **Rudi, Ülo**; **Tisler, Sergei**; **Hussainov, Medhat**; **Štšeglov, Igor** Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15 – 17 ноября 2010 г. : тезисы докладов 2010

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

Сеточная турбулентность в двухфазном потоке : влияние параметров несущей среды и частиц
Kartušinski, Aleksander; **Rudi, Ülo**; **Tisler, Sergei**; **Hussainov, Medhat**; **Štšeglov, Igor** Теплофизика высоких температур 2009 / 2, с. 292-298

Численное моделирование вертикальной двухфазной турбулентной струи
Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo**; **Tisler, Sergei**; **Štšeglov, Igor** Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15 – 17 ноября 2010 г. : тезисы докладов 2010 / с. 102-103

Численное моделирование двумерной вертикальной двухфазной турбулентной струи
Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo**; **Tisler, Sergei**; **Štšeglov, Igor** Известия РАН : механика жидкости и газа 2012 / с. 115-125 : ил

Численное моделирование трехмерного потока "газ-твердые частицы" в горизонтальной трубе
Kartušinski, Aleksander; **Martins, Ants**; Michaelides, Efstathios; **Rudi, Ülo**; **Tisler, Sergei**; **Štšeglov, Igor** Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15 – 17 ноября 2010 г. : тезисы докладов 2010 / с. 100 101