

An analytical approach for the closure equations of gas-solid flows with inter-particle collisions

Kartušinski, Aleksander; Michaelides, Efsthathios International journal of multiphase flow 2004 / 2, p. 159-180

<https://www.sciencedirect.com/science/article/pii/S0301932203002192>

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

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

Comparison of the RANS and PDF methods for air-particle flows

Kartušinski, Aleksander; Michaelides, Efsthathios; Zaichik, Leonid International journal of multiphase flow 2009 / 10, p. 914-923 : ill

<https://www.sciencedirect.com/science/article/abs/pii/S0301932209000986>

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

Kartušinski, Aleksander; Michaelides, Efsthathios; 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, Efsthathios; **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>

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

Kartušinski, Aleksander; Michaelides, Efsthathios; **Hussainov, Medhat**; **Rudi, Ülo** Powder technology 2009 / 2, p. 176-181

<https://www.sciencedirect.com/science/article/pii/S0032591009001958>

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

Kartušinski, Aleksander; Michaelides, Efsthathios 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, Efsthathios; **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]

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

Kartušinski, Aleksander; Michaelides, Efsthathios; **Rudi, Ülo** Fluid dynamics 2006 / 2, p. 237-248

<https://link.springer.com/content/pdf/10.1007/s10697-006-0037-8.pdf>

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

Kartušinski, Aleksander; Michaelides, Efsthathios; **Rudi, Ülo**; **Tisler, Sergei**; **Štšeglov, Igor** Fluid dynamics 2012 / p. 769-777 : ill

<https://link.springer.com/article/10.1134/S0015462812060099>

Numerical simulation of three-dimensional gas-solid particle flow in a horizontal pipe

Kartušinski, Aleksander; Michaelides, Efsthathios; **Rudi, Ülo**; **Tisler, Sergei**; **Štšeglov, Igor** AIChE journal 2011 / p. 2977-2988 : ill

Particle-laden gas flow in horizontal channels with collision effects

Kartušinski, Aleksander; Michaelides, Efsthathios Powder technology 2006 / 2, p. 89-103 : ill

<https://www.sciencedirect.com/science/article/abs/pii/S0032591006002282>

Particles deposition at horizontal flat plate in turbulent particulate flow

Kartušinski, Aleksander; **Hussainov, Medhat**; Michaelides, Efsthathios; **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 modeling of a particulate turbulent downward jet

Kartušinski, Aleksander; Michaelides, Efsthathios 7th International Conference on Multiphase Flow : ICMF 2010 : Tampa, FL USA, May 30-June 4, 2010 2010 / [23] p. : ill

<https://www.sciencedirect.com/science/article/abs/pii/S0009250910001107>

RANS modeling of a particulate turbulent round jet

Kartušinski, Aleksander; Michaelides, Efsthathios; **Rudi, Ülo**; Nathan, Graham Chemical engineering science 2010 / 11, p. 3384-

3393 : ill <https://www.sciencedirect.com/science/article/pii/S0009250910001107>

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

Kartušinski, Aleksander; Michaelides, Efsthathios 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>

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

Моделирование движения плотного газодисперсного потока в горизонтальном канале : падающий и отраженный потоки

Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo** Известия АН РАН. Механика жидкости и газа 2005 / ? p

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 потоков газозвеси в вертикальных трубах и эффект столкновений частиц

Kartušinski, Aleksander; Michaelides, Efstathios; **Rudi, Ülo** Известия Российской Академии наук. Механика жидкости и газа 2004 / 5, с. 77-86

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