

CURRICULUM VITAE

Personal data

Name Ivan
Surname Panteleev
Date of birth 13.09.1984, Perm, Russia
Marital status married
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Education

2001 - 2007 Faculty of applied mathematics and mechanics,
Perm State Technical University, Russia
M.Sc. in Mathematical Modeling of systems and processes

2007 – 2010 Laboratory Physical foundation of Strength,
Institute of continuous media mechanics, Russia
Post-Graduate Studies

2010 Ph.D., mechanics of solids
Ph.D. Thesis «Scale-invariant laws of rock damage and seismic events
nucleation»

Academic, administrative and teaching experience

2008 - 2010 engineer, Institute of Continuous Media Mechanics of Ural Branch of Russian
Academy of Sciences, Perm, Russia

2012 – present part-time lecturer, Perm State University, Russia
Courses:

- Fracture mechanics
- Rock mechanics

2010 - 2014 junior researcher, Institute of Continuous Media Mechanics of Ural Branch of
Russian Academy of Sciences, Perm, Russia

2014 - present research associate, Institute of Continuous Media Mechanics of Ural Branch of
Russian Academy of Sciences, Perm, Russia

2014 – present Chair of ICMM UB RAS Council of Young Scientists

2017 – present Chair of PFRC UB RAS Council of Young Scientists

International academic experience

July 2007, July 2008 invited researcher, LAMEFIP-ENSAM, Bordeaux, France

July 2009 invited researcher, Politecnico di Torino, Turin, Italy

Honors

2009	Scholarship of Perm region government
2013	Research Grant of Russian President for younger researcher
2017	Research Grant of Russian President for younger researcher

Proficiency in English: base level - adequate for all daily and professional needs.

Selected publications

1. O.A. Plekhov, I.A. Pantelev Optimization of fracture time prediction for solids using the concept of deformation hierarchy and loading history analysis // *Physical Mesomechanics*. 2009. V.12. N. 1-2. PP. 60-65
2. O.A. Plekhov, I.A. Pantelev, O.B. Naimark Energy accumulation and dissipation in metals as a result of structural-scaling transitions in a mesodefekt ensemble // *Physical Mesomechanics*. 2007. V. 10. N. 5–6. PP. 294-301
3. O.B. Naimark, Yu.V. Bayandin, V.A. Leontiev, I.A. Pantelev, O.A. Plekhov. Structural-scaling transitions and thermodynamic and kinetic effects in submicro-(nano-)crystalline bulk materials // *Physical Mesomechanics*. 2009. V. 12. N.5–6. PP. 239-248
4. Pantelev I.A., Plekhov O.A., O.B. Naimark Nonlinear Dynamics of the Blow-Up Structures in the Ensembles of Defects as a Mechanism of Formation of Earthquake Sources // *Izvestiya, Physics of the Solid Earth*. 2012. V. 48. N. 6. PP. 504–515
5. Pantelev I.A., Plekhov O.A., Naimark O.B., 2013. Model of geomedia containing defects: collective effects of defects evolution during formation of potential earthquake foci. *Geodynamics & Tectonophysics* 4 (1), 37–51.
6. Gavrilov V. A., I. A. Pantelev, G. V. Ryabinin, Yu. V. Morozova (2013), Modulating impact of electromagnetic radiation on geoacoustic emission of rocks, *Russ. J. Earth Sci.*, 13, ES1002, doi:10.2205/2013ES000527.
7. V. A. Gavrilov, I. A. Pantelev and G. V. Ryabinin The Physical Basis of the Effects Caused by Electromagnetic Forcing in the Intensity of Geoacoustic Processes // *Izvestiya, Physics of the Solid Earth*. 2014. Vol. 50. No. 1. pp. 87–101
8. Pantelev I., Plekhov O., Pankov I., Evseev A., Naimark O., Asanov V. Experimental investigation of the spatio-temporal localization of deformation and damage in sylvinitic specimens under uniaxial tension // *Engineering Fracture Mechanics*. - 2014. - V. 129.- P. 38-44. DOI: 10.1016/j.engfracmech.2014.08.004
9. Pantelev I.A., Gavrilov V.A. Implications of electrokinetic processes for the intensity of geoacoustic emission in the time vicinity of a tectonic earthquake: a theoretical study // *Russian Journal of Earth Sciences*. 2015. T. 15. № 4. C. 1a-14.
10. Borneyakov S.A., Pantelev I.A., Tarasova A.A. Dynamics of intrafault deformation waves: Results of physical simulation // *Doklady Earth Sciences*. 2016. V. 47. N2. Pp. 1316–1318

Invites talks

«Model of geomedia with defects: collective effects of damage development at seismic center nucleation» I.A. Pantelev, O.A. Plekhov, O.B. Naimark. Third International tectonophysics conference. 8-12 October 2012. Moscow. Russia.

REVIEW OF RESEARCH

The experimental and theoretical study of localization deformation and damage under quasistatic loading of different materials. Investigation of features of acoustic emission evolution and local deformation fields at fracture of materials. Investigation of earthquake focus evolution and accompanying geophysical precursors.