

Institute of Continuous Media Mechanics
Ural Branch of Russian Academy of Sciences

Conference program

IV Russian Conference on Magnetohydrodynamics

September 20 – 22, 2021, Perm, Russia

Perm, 2021

Conference Program

Version: September 19, 2021, Local time

Monday, 20 September

9.30 – 10.00

Opening

Session 1

Applied magnetohydrodynamics

Chairman *Krivilyov M.*

10.00 – 10.20

Khripchenko S.

Khripchenko S., Dolgikh V., Siraev R.

Injection of nanoparticles of boron nitride in liquid aluminum during its MHD-stirring

10.20 – 10.40

Obukhov D.

Obukhov D., Chaika P., Krizhanovsky S., Labusov A., Preslitsky G., Tukeev P., Federyaeva V.

Development of electromagnetic pump for the second loop of the MBIR reactor

10.40 – 11.00

Khalilov R.

Khalilov R.

Liquid metal level measurement

11.00 – 11.20

Gruzd S.

Gruzd S., Krivilyov M., Morozov G.

Electromagnetic stirring in continuous casting of steel

Session 2

Heat and mass transfer in liquid metals

Chairman *Listratov Ya.*

10.00 – 10.20

Yachikov I.

Yachikov I., Loginovskiy O., Shestakov A.

Hydrodynamic characteristics and heat transfer in the laminar cocurrent flow of two parallel flows of liquid metals

10.20 – 10.40

Mamykin A.

Mamykin A., Mandrykin S., Losev G.

Features of the large-scale circulation behavior during Rayleigh-Benard convection in a square cylinder filled with liquid sodium

10.40 – 11.00

Sukhanovskii A.

Sukhanovskii A., Vasiliev A.

Heat transfer in case of mixed boundary conditions

11.00 – 11.20

Shmakov I.

Smolianov I., Shmakov E., Baake E.

Natural convective in MHD duct flow

11.20 – 11.30

Coffee break

Monday, 20 September

Session 3

Fundamental problems of magnetohydrodynamics

Chairman *Likhachev A.*

- 11.30 – 11.50
Nekrasov O. *Nekrasov O., Smorodin B.*
The electroconvective flows of a low conducting liquid in a steady and modulated electric field
- 11.50 – 12.10
Proskurin A. *Proskurin A.*
Stability of MHD flow in a 90-degree bend
- 12.10 – 12.30
Smolianov I. *Smolianov I., Shmakov E., Baake E.*
Comparison of Q2D and 3D models of MHD duct flow instability
- 12.30 – 12.50
Ogorodnikov L. *Vergeles S., Ogorodnikov L.*
Coherent columnar vortex in three-dimensional rotating turbulent flow: structure and spatial correlations
- 12.50 – 13.10
Korovin V. *Korovin V.*
Method for calculating the complex amplitudes of the electromagnetic field in a cylindrical channel of an induction plasmatron

Session 4

Applied magnetohydrodynamics

Chairman *Kolesnichenko I.*

- 11.30 – 11.50
Velt I. *Velt I., Mikhailova Yu., Sudarikov V.*
Magnetic flowmeter for fast sodium reactors
- 11.50 – 12.10
Pavlinov A. *Pavlinov A., Khalilov R., Mamykin A., Kolesnichenko I.*
Electromagnetic flowmeter for liquid metals: calculation, design and calibration
- 12.10 – 12.30
Mikhailova Y. *Mikhailova Y.*
Electromagnetic field in the flowmeter channel for liquid metals
- 12.30 – 12.50
Mamykin A. *Mamykin A., Kolesnichenko I., Golbraikh E., Pavlinov A.*
Temperature correlation method application to the problem of measuring the flow rate of liquid sodium
- 12.50 – 13.10
Sudarikov V. *Velt I., Mikhailova Yu., Sudarikov V.*
Elimination of magnetic flowmeters nonlinearity caused by the MHD-effect

13.10 – 14.00

Lunch

Monday, 20 September

Chairman *Frick P.*

- 14.00 – 14.30 *Kolesnikov Y., Krasnov D., Listratov Ya., Belyaev I., Pyatnitskaya N., Sviridov E., Zikanov O.*
Kolesnikov Y. Transformation of submerged liquid metal jets under strong magnetic fields

Session 5

Astrophysical and geophysical magnetohydrodynamics

Chairman *Kuzanyan K.*

- 14.30 – 14.50 *Golbraikh E.*
Golbraikh E. Could Earth's solid core be a magnet?
- 14.50 – 15.10 *Stefani F., Horstmann G.M., Stepanov R., Weier T.*
Stefani F. Possible synchronization mechanisms for Short- and long-term cycles of the solar dynamo
- 15.10 – 15.30 *Reshetnyak M.*
Reshetnyak M. The joint cooling model of the core and mantle
- 15.30 – 15.50 *Pipin V.*
Pipin V. Nesting magnetic activity on the fast rotating solar analogs

Session 6

Heat and mass transfer in liquid metals

Chairman *Zikanov O.*

- 14.30 – 14.50 *Jüstel P., Röhrborn S., Frick P., Galindo V., Gundrum T., Schindler F., Stefani F., Stepanov R., Vogt T.*
Jüstel P. Experimentally synchronizing the large-scale circulation in a cylindrical Rayleigh-Benard cell by tide-like electromagnetic forcing
- 14.50 – 15.10 *Röhrborn S., Jüstel P., Galindo V., Stefani F., Stepanov R.*
Röhrborn S. Numerical simulation of tidal synchronization of the large-scale circulation in Rayleigh-Benard convection with aspect ratio 1
- 15.10 – 15.30 *Brestenský J., Filippi E.*
Brestenský J. Magnetoconvection with anisotropic diffusion as a tool to investigate the dynamics of dynamo regions
- 15.30 – 15.50 *Belyaev I., Luchinkin N., Chernysh D., Melnikov I., Sardov P., Listratov Ya., Razuvanov N., Frick P.*
Belyaev I. Limits of magneto-convective fluctuations in liquid metal downflow in vertical channels affected by a transverse magnetic field

- 15.50 – 16.00 **Coffee break**

Monday, 20 September

Chairman *Stepanov R.*

16.00 – 16.30
Giesecke A. *Giesecke A., Pizzi F., Garcia F., Stefani F.*
Dynamo action of the large scale flow in a precessing cylinder

Session 7

Applied magnetohydrodynamics

Chairman *Obukhov D.*

16.30 – 16.50
Khripchenko S. *Khripchenko S.*
Vertical heat transfer in a cylindrical vessel with liquid metal under alternating exposure to traveling and rotating magnetic fields

16.50 – 17.10
Sokolov I. *Sokolov I., Losev G., Shvydkiy E.*
Impurity distribution in a rectangular cell under travelling magnetic field

17.10 – 17.30
Zibold A. *Zibold A.*
Nonstationary instability of axisymmetric flow of a liquid in a rotating magnetic field

17.30 – 17.50
Soldatov I. *Soldatov I., Mishustova Z.*
The effect of magnetic field on waves in a centrifuged conducting viscous layer inside a rotating cylindrical container

17.50 – 18.10
Losev G. *Losev G., Mamykin A.*
Electromagnetic measurements of non-ferrous metals conductivity

Session 8

Fundamental problems of magnetohydrodynamics

Chairman *Stepanov R.*

16.30 – 16.50
Mishra A. *Mishra A., Mamatsashvili G., Galindo V., Stefani F.*
Convective, absolute and global azimuthal magnetorotational instability

16.50 – 17.10
Mamatsashvili G. *Mamatsashvili G., Stefani F., Hollerbach R., Rüdiger G.*
A new kind of double-diffusive helical magnetorotational instability in rotating flows with positive shear

17.10 – 17.30
Akhmedagaev R. *Akhmedagaev R., Zikanov O., Listratov Ya.*
Magnetoconvection in a horizontal duct flow at very high Hartmann and Grashof numbers

17.30 – 17.50
Kuzanyan K. *Kleorin N., Rogachevskii I., Kuzanyan K., Stepanov R.*
Non-axisymmetric flows in the solar interior and quasi-biennial variations of solar activity

17.50 – 18.10
Allahverdiyev R. *Yushkov E., Allahverdiyev R., Sokoloff D.*
Dynamo model in anisotropic uniform turbulent flow with shorttime correlations

Tuesday, 21 September

Session 9

Fundamental problems of magnetohydrodynamics

Chairman *Reshetnyak M.*

- 10.00 – 10.20
Kochurin E. *Kochurin E., Zubarev N.*
Numerical simulation of the free surface magnetohydrodynamic wave turbulence
- 10.20 – 10.40
Zavershinskii D. *Zavershinskii D., Kolotkov D., Molevich N., Riashchikov D., Belov S.*
On some properties of slow magnetoacoustic and entropy waves in the heat-releasing coronal plasma
- 10.40 – 11.00
Mikhailov E. *Mikhailov E.*
Eigenfunctions in different galactic dynamo models
- 11.00 – 11.20
Yakovleva S. *Starchenko S., Yakovleva S.*
Exploratory statistical analysis of Wolf numbers, their time derivatives and variation times of the solar activity

Session 10

Applied magnetohydrodynamics

Chairman *Yachikov I.*

- 10.00 – 10.20
Karasev T. *Karasev T., Teimurazov A., Perminov A.*
Modelling of liquid magnesium convection in a titanium reduction apparatus
- 10.20 – 10.40
Okatev R. *Okatev R., Kolesnichenko I.*
Impact the inhomogeneity of electric conductivity on MHD processes
- 10.40 – 11.00
Dolgikh V. *Dolgikh V., Pavlinov A., Kolesnichenko I.*
Influence of MHD-channel geometry on pressure drop
- 11.00 – 11.20
Ozernykh V. *Ozernykh V., Kolesnichenko I.*
Electromagnetic forces acting in a representative volume of liquid metal with inclusions of various shapes
- 11.20 – 11.30
Coffee break

Tuesday, 21 September

Session 11

Fundamental problems of magnetohydrodynamics

Chairman *Gieseke A.*

- 11.30 – 11.50
Sokoloff D. *Sokoloff D., Frick P.*
Continuous component of solar and stellar activity spectra in light of dynamo theory
- 11.50 – 12.10
Mitrofanova O. *Mitrofanova O.*
Simulation of vortex and magnetic fields in three-dimensional flows of conductive media
- 12.10 – 12.30
Klevs M. *Klevs M., Birjukovs M., Zvejnieks P., Jakovics A.*
Dynamic mode decomposition of MHD bubble chain flow
- 12.30 – 12.50
Pozdeeva I. *Mitrofanova O., Pozdeeva I.*
Generation mechanisms of vortex-wave processes in conductive media
- 12.50 – 13.10
Kumar V. *Kumar V., Giesecke A., Gundrum Th., Pizzi F., Ratajczak M., Stefani F.*
Influence of the precession angle on the flow inside a precessing cylinder

Session 12

Magnetic fluids and their applications

Chairman *Zakinyan A.*

- 11.30 – 11.50
Ivanov A.O. *Ivanov A.O., Kuznetsova O., Camp P.*
Mathematical modelling of the collective magnetization relaxation dynamics of Brownian magnetic nanoparticles
- 11.50 – 12.10
- 12.10 – 12.30
- 12.30 – 12.50
Sidorov A. *Glukhov A., Sidorov A.*
Convection of a magnetic fluid in vertical connected channels in a permanent magnetic field
- 12.50 – 13.10
Chirikov D. *Zubarev A., Chirikov D., Zablotsky D.*
Viscoelasticity modules in ferrofluids with clustered nanoparticles
- 13.10 – 14.00 **Lunch**

Tuesday, 21 September

Chairman *Belyaev I.*

14.00 – 14.30
Kolesnichenko I. *Kolesnichenko I., Eltishchev V., Mandrykin S., Pavlinov A., Frick P.*
Electrovortex flows in cylindrical cell and external magnetic field

Session 13

Fundamental problems of magnetohydrodynamics

Chairman *Stefani F.*

14.30 – 14.50
Eltischev V. *Eltischev V., Losev G., Kolesnichenko I.*
Metal Pad Rotation instability experimental model

14.50 – 15.10
Frick P. *Frick P., Eltishchev V., Mandrykin S., Kolesnichenko I.*
Evolution of strong electrovortex flow under external magnetic field in cylindrical cell

15.10 – 15.30
Weber N. *Bénard S., Landgraf S., Weber N., Weier T.*
MHD driven localized short circuits in liquid metal batteries

15.30 – 15.50
Personnettaz P. *Personnettaz P., Klopper T., Bénard S., Kubeil C., Landgraf S., Weber N., Weier T.*
Compositional convection in liquid metal electrodes

Session 14

Magnetic fluids and their applications

Chairman *Ivanov A.O.*

14.30 – 14.50
Kaiser M. *Kaiser M., Kantorovich S.*
Separation of active-dipolar cubes in applied fields

14.50 – 15.10
Garcia Gonzalez F. *Garcia F., Ogbonna J., Gundrum T., Seilmayer M., Giesecke A., Stefani F.*
The magnetized spherical couette system: from numerics to experiments

15.10 – 15.30
Rosenberg M. *Rosenberg M., Sanchez P., Petrov D., Sebastian N., Mertelj A., Kantorovich S.*
Phase behavior of charged magnetic nanoplatelets

15.30 – 15.50
Elfimova E. *Elfimova E., Zverev V., Rusanov M., Kuznetsov M.*
Simple approximate formula for susceptibility of concentrated ferrofluid in a DC and AC magnetic fields

15.50 – 16.00 **Coffee break**

Tuesday, 21 September

Chairman *Frick P.*

16.00 – 16.30
Budaev V. *Budaev V.*
Plasma-surface interaction in fusion devices: review of recent results

Session 15

Fundamental problems of magnetohydrodynamics

Chairman *Kolesnichenko I.*

16.30 – 16.50
Malyshev K. *Malyshev K., Mihailov E., Teplyakov I.*
Nonstationary electrovortex flow in hemispherical bowl with external magnetic field: analytical Stokes solution

16.50 – 17.10
Pavlovs S. *Chudnovsky A., Ivochkin Yu., Jakovics A., Pavlovs S.*
Comparison of computational and measurement results for electrovortex flow in experimental setup with liquid metal and power supply over top and bottom electrodes

17.10 – 17.30
Teplyakov I. *Teplyakov I., Vinogradov D., Ivochkin Yu., Chudnovsky A., Jakovics A., Pavlovs S.*
Velocity measurements in the electrovortex flow in the system with two submerged electrodes

17.30 – 17.50
Mandrykin S. *Mandrykin S., Kolesnichenko I.*
The spin-up process of the electrovortex flow subject to the external magnetic field

17.50 – 18.10
Kukharev A. *Kukharev A.*
Peculiarities of electrovortex flows in a multi-electrode arc furnace at DC and low frequency AC power supply

Session 16

Magnetic fluids and their applications

Chairman *Ryapolov P.*

16.30 – 16.50
Yanovskii A. *Yanovskii A., Simonovskii A.*
An effect of the magnetic field on heat transfer of boiling magnetic fluid on a horizontal heater with spot heat input

16.50 – 17.10
Korovin V. *Korovin V.*
Influence of nonlinearity of magnetization law on Kelvin-Helmholtz instability for horizontal relative motion of ferrofluid and gas flows in a longitudinal magnetic field

17.10 – 17.30
Chekanov V. *Chekanov V.*
Instability of a flat surface of a magnetic fluid at the boundary with water in an electric field

17.30 – 17.50
Belov S. *Belov S., Molevich N., Zavershinskii D.*
Dispersion of slow magnetoacoustic waves caused by thermal misbalance and finite size of magnetic flux tube

17.50 – 18.10
Simonovskii A. *Yanovskii A., Simonovskii A., Shatalov N., Starenkova Yu.*
Hydro-gas dynamics of vaporization in a magnetic liquid in a magnetic field

Wednesday, 22 September

Session 17

Applied magnetohydrodynamics

Chairman *Khripchenko S.*

- 10.00 – 10.20 *Khalilov R., Pavlinov A., Kolesnichenko I., Mamykin A., Shestakov A., Frick P.*
Khalilov R. Travelling magnetic field pumps for liquid metals: numerical and experimental studies
- 10.20 – 10.40 *Shvydkiy E., Smolyanov I., Baake E.*
Shvydkiy E. Interaction of buoyancy and EM forced convection during horizontal directional solidification
- 10.40 – 11.00
- 11.00 – 11.20

Session 18

Soft magnetic matter and its application-oriented aspects

Chairman *Rodionova V.*

- 10.00 – 10.20 *Dobroserdova A., Maltseva E., Sanchez P, Kantorovich S.*
Dobroserdova A. Magnetoactive elastomers: molecular dynamics simulations of magnetic properties
- 10.20 – 10.40 *Petrov D.*
Petrov D. On the isotropic-nematic liquid crystal phase transitions in a solution of polydisperse magnetic disks
- 10.40 – 11.00 *Zverev V., Novak E., Gupalo M., Kantorovich S., Sánchez P.*
Zverev V. Magnetic and rheological properties of supracolloidal magnetic polymers in a Poiseuille flow
- 11.00 – 11.20 *Pyanzina E., Gupalo M., Akisheva A., Naumov E., Novak E.*
Pyanzina E. Self-assembly supramolecular magnetic polymers with different monomers
- 11.20 – 11.30 **Coffee break**

Wednesday, 22 September

Session 19

Fundamental problems of magnetohydrodynamics

Chairman *Sokoloff D.*

- 11.30 – 11.50
Stepanov R. *Stepanov R.*
Numerical simulation of two-dimensional MHD turbulence behind a grid in an annular channel
- 11.50 – 12.10
Mindubaev M. *Antipin A., Mindubaev M.*
Conditions for the formation of the magnetic field at the early stages of the Earth's evolution
- 12.10 – 12.30
Rumenskikh M. *Rumenskikh M., Shaikhislamov I., Berezutsky A., Efimov M., Miroshnichenko I.*
Numerical mhd modeling of hot Jupiter transit absorptions in the metastable helium line
- 12.30 – 12.50
Riashchikov D. *Riashchikov D., Pichugin S., Molevich N.*
The influence of ion-neutral collisions on the amplification of thermally unstable magnetoacoustic waves
- 12.50 – 13.10
Starchenko S. *Starchenko S.*
The simplest linear Solar dynamo and non-linear geodynamo

Session 20

Soft magnetic matter and its application-oriented aspects

Chairman *Elfimova E.*

- 11.30 – 11.50
Petrov D. *Petrov D.*
Effective field method in the physics of ferromagnetic liquid crystal suspensions
- 11.50 – 12.10
Sadilov E. *Sadilov E.*
Joint influence of magnetic field and normal vibrations on the instability of two-layer system, containing magnetic and non-magnetic fluids
- 12.10 – 12.30
Smorodin B. *Cherepanov I., Smorodin B.*
Transient and permanent convection of colloid in a horizontal cell
- 12.30 – 12.50
Rodionova V. *Omelyanchik A., Antipova V., Gritsenko C., Kolesnikova V., Peddis D., Levada K., Amirov A., Rodionova V.*
Tuning the magnetoelectric effect in polymer-based nanocomposites
- 12.50 – 13.10
Gupalo M. *Gupalo M., Novak E., Kantorovich S.*
Magnetic and structural properties of magnetic elastomers
- 13.10 – 14.00
Lunch

Wednesday, 22 September

Chairman *Ivanov A.S.*

14.00 – 14.30
Zakinyan A. *Zakinyan A.*
Transfer phenomena in magnetic fluid composites

Session 21

Applied magnetohydrodynamics

Chairman *Kolesnikov Yu.*

14.30 – 14.50
Krauter N. *Krauter N., Eckert S., Gundrum T., Stefani F., Wondrak T., Khalilov R., Dimov I., Frick P.*

Inductive system for magnesium level detection in a titanium reduction reactor

14.50 – 15.10
Kolesnichenko I. *Kolesnichenko I., Pavlinov A., Mamykin A., Khalilov R.*

Liquid metal flow generation in cylindrical cell by smart inductor

15.10 – 15.30
Yachikov I. *Yachikov I.*

Study of keeping a permanent magnet suspended in a pulsed magnetic field

15.30 – 15.50
Nikulin I. *Nikulin I., Demin V.*

Numerical simulation of heat and mass transfer in a metal melt and deformations in a dielectric film during induction melting

Session 22

Magnetic fluids and their applications

Chairman *Kantorovich S.*

14.30 – 14.50
Novikau I. *Novikau I., Novak E., Sanchez P., Kantorovich S.*

Magnetic nanogel in shear flow

14.50 – 15.10
Merkulov D. *Merkulov D., Pelevina D., Turkov V., Naletova V.*

Four-parameter model of magnetizable elastomers viscoelastic behavior

15.10 – 15.30
Mostarac D. *Mostarac D., Sánchez P., Kantorovich S.*

Rheology of nanoscale polymer-like chains with ferromagnetic nanoparticles

15.30 – 15.50
Beketova E. *Beketova E., Nechaeva O., Dikansky Yu.*

Specific deformation of drops of magnetic emulsion in a variable electric field

15.50 – 16.00

Coffee break

Wednesday, 22 September

Chairman *Raikher Yu.*

16.00 – 16.30
Erbe A. *Erbe A.*
Magnetic microswimmers in external potentials

Session 23

Astrophysical and geophysical magnetohydrodynamics

Chairman *Stepanov R.*

16.30 – 16.50
Illarionov E. *Illarionov E., Sokoloff D.*
Finite memory time and anisotropy effects for the initial stage of dynamo process

16.50 – 17.10
Akhmet'ev P. *Akhmet'ev P.*
The magnetic helicity and higher helicity invariants as constraints for dynamo action

17.10 – 17.30
Yushkov E. *Yushkov E., Malova H., Maiewski E., Sokoloff D.*
Magnetic field symmetries in the frame of spherical dynamo for exoplanets and host stars

17.30 – 17.50
Likhachev A. *Gubanov E., Likhachev A., Medin S.*
Magnetosphere response to solar wind forcing: 2D MHD simulation results at various solar wind parameters

17.50 – 18.10
Uvarov Y. *Uvarov Y., Bykov A.*
Study of astrophysical magnetic turbulence with new generation X-ray polarimeters. Application to supernova remnants

Session 24

Magnetic fluids and their applications

Chairman *Zubarev A.*

16.30 – 16.50
Khokhryakova C. *Khokhryakova C., Mizeva I., Shmyrova A., Shmyrov A.*
Experimental study of the magnetic fluid surface tension variation in the uniform magnetic field

16.50 – 17.10
Mantsurov A. *Mantsurov A., Makarov D., Petrov D.*
Statistical theory of magnetic field induced phase transitions in ferronematics

17.10 – 17.30
Ivanov A.S. *Ivanov A.S., Khokhryakova C., Pshenichnikov A., Somov S., Koskov M.*
Floating of non-magnetic and superparamagnetic solids in ferrofluids: inductive approach

17.30 – 17.50
Kolesnichenko E. *Khokhryakova C., Kolesnichenko E.*
Waves on a free surface of a magnetic fluid in alternating vertical magnetic field

17.50 – 18.10
Poperechny I. *Poperechny I.*
Relaxation spectrum of a superparamagnetic nanoparticle, suspended in a liquid: the effect of an applied field

18.10 – 18.30

Closing

Schedule

Monday, 20 September			Tuesday, 21 September			Wednesday, 22 September		
9.30 – 10.00	Opening							
10.00 – 10.20	Khripchenko S.	Yachikov I.	10.00 – 10.20	Kochurin E.	Karasev T.	10.00 – 10.20	Khalilov R.	Dobroserdova A.
10.20 – 10.40	Obukhov D.	Mamykin A.	10.20 – 10.40	Zavershinski D.	Okatev R.	10.20 – 10.40	Shvydkiy E.	Petrov D.
10.40 – 11.00	Khalilov R.	Sukhanovskii A.	10.40 – 11.00	Mikhailov E.	Dolgikh V.	10.40 – 11.00		Zverev V.
11.00 – 11.20	Gruzd S.	Shmakov I.	11.00 – 11.20	Yakovleva S.	Ozernykh V.	11.00 – 11.20		Pyanzina E.
11.20 – 11.30	Coffee break		11.20 – 11.30	Coffee break		11.20 – 11.30	Coffee break	
11.30 – 11.50	Nekrasov O.	Velt I.	11.30 – 11.50	Sokoloff D.	Ivanov A.O.	11.30 – 11.50	Stepanov R.	Petrov D.
11.50 – 12.10	Proskurin A.	Pavlinov A.	11.50 – 12.10	Mitrofanova O.		11.50 – 12.10	Mindubaev M.	Sadilov E.
12.10 – 12.30	Smolianov I.	Mikhailova Y.	12.10 – 12.30	Klevs M.		12.10 – 12.30	Rumenskikh M.	Smorodin B.
12.30 – 12.50	Ogorodnikov L.	Mamykin A.	12.30 – 12.50	Pozdeeva I.	Sidorov A.	12.30 – 12.50	Riashchikov D.	Rodionova V.
12.50 – 13.10	Korovin V.	Sudarikov V.	12.50 – 13.10	Kumar V.	Chirikov D.	12.50 – 13.10	Starchenko S.	Gupalo M.
13.10 – 14.00	Lunch		13.10 – 14.00	Lunch		13.10 – 14.00	Lunch	
14.00 – 14.30	Kolesnikov Y.		14.00 – 14.30	Kolesnichenko I.		14.00 – 14.30	Zakinyan A.	
14.30 – 14.50	Golbraikh E.	Jüstel P.	14.30 – 14.50	Eltischev V.	Kaiser M.	14.30 – 14.50	Krauter N.	Novikau I.
14.50 – 15.10	Stefani F.	Röhrborn S.	14.50 – 15.10	Frick P.	Garcia Gonzalez F.	14.50 – 15.10	Kolesnichenko I.	Merkulov D.
15.10 – 15.30	Reshetnyak M.	Brestenský J.	15.10 – 15.30	Weber N.	Rosenberg M.	15.10 – 15.30	Yachikov I.	Mostarac D.
15.30 – 15.50	Pipin V.	Belyaev I.	15.30 – 15.50	Personnetaz P.	Elfimova E.	15.30 – 15.50	Nikulin I.	Beketova E.
15.50 – 16.00	Coffee break		15.50 – 16.00	Coffee break		15.50 – 16.00	Coffee break	
16.00 – 16.30	Giesecke A.		16.00 – 16.30	Budaev V.		16.00 – 16.30	Erbe A.	
16.30 – 16.50	Khripchenko S.	Mishra A.	16.30 – 16.50	Malyshev K.	Yanovskii A.	16.30 – 16.50	Illarionov E.	Khokhryakova C.
16.50 – 17.10	Sokolov I.	Mamatsashvili G.	16.50 – 17.10	Pavlovs S.	Korovin V.	16.50 – 17.10	Akhmet'ev P.	Mantsurov A.
17.10 – 17.30	Zibold A.	Akhmedagaev R.	17.10 – 17.30	Teplyakov I.	Chekanov V.	17.10 – 17.30	Yushkov E.	Ivanov A.S.
17.30 – 17.50	Soldatov I.	Kuzanyan K.	17.30 – 17.50	Mandrykin S.	Belov S.	17.30 – 17.50	Likhachev A.	Kolesnichenko E.
17.50 – 18.10	Losev G.	Allahverdiyev R.	17.50 – 18.10	Kukharev A.	Simonovskii A.	17.50 – 18.10	Uvarov Y.	Poperechny I.
						18.10 – 18.30	Closing	

Chairmen

Monday, 20 September			Tuesday, 21 September			Wednesday, 22 September		
9.30 – 10.00	Frick							
10.00 – 11.20	Krivilyov M.	Listratov Ya.	10.00 – 11.20	Reshetnyak M.	Yachikov I.	10.00 – 11.20	Khripchenko S.	Rodionova V.
11.30 – 11.50	Likhachev A.	Kolesnichenko I.	11.30 – 11.50	Giesecke A.	Zakinyan A.	11.30 – 11.50	Sokoloff D.	Elfimova E.
14.00 – 14.30	Frick P.		14.00 – 14.30	Belyaev I.		14.00 – 14.30	Ivanov A.S.	
14.30 – 14.50	Kuzanyan K.	Zikanov O.	14.30 – 14.50	Stefani F.	Ivanov A.O.	14.30 – 14.50	Kolesnikov Yu.	Kantorovich S.
16.00 – 16.30	Stepanov R.		16.00 – 16.30	Frick P.		16.00 – 16.30	Raikher Yu.	
16.30 – 18.10	Obukhov D.	Stepanov R.	16.30 – 18.10	Kolesnichenko I.	Ryapolov P.	16.30 – 18.10	Stepanov R.	Zubarev A.
						18.10 – 18.30	Frick	

Sections

Fundamental problems of magnetohydrodynamics
Astrophysical and geophysical magnetohydrodynamics
Applied magnetohydrodynamics
Magnetic fluids and their applications
Soft magnetic matter and its application-oriented aspects
Heat and mass transfer in liquid metals