

**SCHEDULE/PROGRAM**  
**2 - 5 September 2025, Yaroslavl, Russia**  
**Hotel Complex "AZIMUT"**

**Date and venue:** 02-05 September 2025, Hotel Complex "AZIMUT", Yaroslavl, Russia  
**Registration:** from 08<sup>30</sup> to 09<sup>00</sup>, 02 September 2025, 3rd floor, conference hall "Tverskoy"

02 September 2025 (Tuesday)	
9:00-9:40	<i>Opening of the conference (V.I. Dobrovolskiy / N.G. Oganyan)</i>
	<i>Greetings from:</i>
	<i>Co-Chair of the Conference "MPM-2025"</i> Sergey Donchenko, VNIIFTRI (ROSTANDART)
	<i>Official sponsor of the Conference</i> - ALLSCIENCE LLC Anna Isakova
	<i>Sponsor of the Conference</i> - «Industrial Environmental Laboratories» Ltd. Natalia Ignatyeva
	<i>Sponsor of the Conference</i> - RCC LABTEST Alexandra Akimova
	<i>Sponsor of the Conference</i> – «Energolab» Ltd. Dmitriy Korneev
REPORTS	
<b>Moderator: Aleksey Aprelev</b>	
09:40-10:20	<b><u>I.I. Ershov</u>, Z.I. Osoka</b> <i>Modernization of the system for ensuring the uniformity of measurements</i> ROSSTANDART, Moscow, Russia
10:20-10:40	<b>V.I. Dobrovolskiy</b> <i>Thematic international activities of VNIIFTRI in modern conditions</i> VNIIFTRI, Moscow, Russia
10:40-11:00	<b>N.G. Oganyan</b> <i>NMI Competence Requirements: Analysis of CIPM MRA and OIML Documents</i> VNIIFTRI, Moscow, Russia
<b>11:00-11:20</b>	<b>Coffee break, 3rd floor, next to the conference room</b>
11:20-11:40	<b>N.P. Muravskaya</b> <i>Accreditation issues of laboratory activities in Russia</i> VNIIFTRI, Moscow, Russia
11:40-12:00	<b><u>A.A. Semenova</u>, Yu.A. Kuzlyakina, M.Yu. Minaev</b> <i>Falsification or technological impurity? Solution to the issue by the example of meat products</i> State Scientific Center on Food Systems after V.M. Gorbатов, RAS, Moscow, Russia
12:00-12:20	<b>S.V. Belov</b> <i>Analysis of standardization and practice of detection of counterfeited dairy products by the quality of milk fat, as well as the determination of starch in dairy for false positive cases. Development of selective formulas for determining mass fractions of beef tallow and palm oil in dairy products by triglyceride composition</i> VGNKI, Moscow, Russia
12:20-12:40	<b>A.I. Krylov, <u>A.Yu. Mikheeva</u>, A.A. Neklyudova</b> <i>Implementation results of the comprehensive state project for the development and release of new types of reference materials</i> VNIIM, Saint Petersburg, Russia

12:40-13:00	<b><u>E.P. Sobina</u>, P.M. Aronov, P.V. Migal, V.V. Studenok</b> <i>Algorithms for estimating the certified value of a reference material and its uncertainty based on the results of an interlaboratory experiment</i> UNIIM-VNIIM, Yekaterinburg, Russia
<b>13:00-13:15</b>	<b>Photoshoot</b>
<b>13:15-14:00</b>	<b>Lunch, 2nd floor, restaurant "Romanovsky"</b>
<b>Moderator: Narine Oganyan</b>	
14:00-14:20	<b><u>V.I. Dobrovolskiy</u>, S.V. Prokunin, A.B. Glebov, T.E. Alimova</b> <i>On the issue of optimizing the Hierarchical Scheme of Measuring Instruments of Specific Electrical Conductivity of Liquid in the Russia</i> VNIIFTRI, Moscow, Russia
14:20-14:40	<b><u>A.B. Glebov</u>, T.E. Alimova, S.V. Prokunin, V.I. Dobrovolskiy</b> <i>Investigation of non-aqueous solutions of specific electrolitical conductivity in the range from <math>10^{-6}</math> to <math>10^{-3}</math> S/m in the framework of improvement of the State Primary Standard of the Unit of Specific Electric Conductivity of Liquids GET 132-2018</i> VNIIFTRI, Moscow, Russia
14:40-15:00	<b>Sobina A.V.</b> <i>About the results of modernization of the State Primary Standard of Mass (molar, atomic) Units Fraction and Mass (molar) Concentrations of Components in Liquid and Solid Substances and Materials Based on Coulometry GET 176</i> UNIIM-VNIIM, Yekaterinburg, Russia
15:00-15:20	<b>A.I. Krylov</b> <i>Complex of state primary standards for the unit of amount of substance – the mole. Challenges and prospects</i> VNIIM, Saint Petersburg, Russia
15:20-15:40	<b><u>M.S. Vonsky</u>, A.L. Runov, E.V. Kurchakova, S.B. Gorniaia</b> <i>On the development of a State Primary Etalon for the DNA Sequence Copy Number Unit</i> VNIIM, Saint Petersburg, Russia
15:40-16:00	<b><u>I.P. Aronov</u>, E.P. Sobina, A.G. A.G. Atabaeva</b> <i>Improvement of the State Primary Standard of Units of Specific Adsorption of Gases, Specific Surface Area, Specific Pore Volume, Pore Size, Open Porosity and Gas Permeability Coefficient of Solids and Materials GET 210</i> UNIIM-VNIIM, Yekaterinburg, Russia
<b>16:00-16:20</b>	<b>Coffee break, 3rd floor, next to the conference room</b>
<b>Moderator: Elena Kulyabina</b>	
16:20-16:40	<b><u>M.P. Krasheninina</u>, O.S. Golynets, N.A. Nikonova</b> <i>Results of improvement of the State Primary Standard of Units of Mass Fraction, Mass (molar) Concentration of Water in Solid and Liquid Substances and Materials</i> UNIIM-VNIIM, Yekaterinburg, Russia
16:40-17:00	<b>A. A. Stakheev</b> <i>International comparisons conducted within the framework of the CCQM with the participation of the state primary standard GET 217-2018</i> VNIIFTRI, Moscow, Russia
17:00-17:20	<b>I.V. Poselskaia</b> <i>Metrological assurance of physicochemical measurements as an integral part of in-laboratory ontology</i> JSC "Vasilievsky Mine", Krasnoyarsk, Russia
17:20-17:40	<b><u>A.V. Mosichkina</u>, M. V. Okrepilov, B. Ya. Litvinov</b> <i>Analysis of the content of metrologist functions and the forming of the structure of professional standards in the conditions of transformation of the higher education system</i> VNIIM, Saint Petersburg, Russia
17:40-18:00	<b>A.V. Akimova</b>

	<i>Equipment for analysis of composition and properties of materials</i> RCC "LABTEST", Moscow, Russia
18:00	<b>Free time</b>
18:30	<b>Conference dinner, 2nd floor, restaurant "Romanovsky"</b>

<b>03 September 2025 (Wednesday)</b>	
<b>Moderator: Dmitrii Belenkii</b>	
09:00-09:20	<b><u>Dmitrieva L.I.</u>, Levskiy A.V., Barannik A.A., Balakhanov D.M.</b> <i>Application of neural network for determining the size of non-spherical microparticles</i> VNIIFTRI, Moscow, Russia
09:20-09:40	<b><u>I.E. Kovbasyuk</u>, E.A. Antonov, P.B. Vasiliev</b> <i>Investigation of the scattering of laser radiation by microscopic fungal spores to control microbial contamination in closed inhabited facilities</i> National Research Centre "Kurchatov Institute", Moscow, Russia
09:40-10:00	<b>D.V. Averkin</b> <i>Dependence of the particle size distribution in dispersed systems on the measurement method</i> VNIIFTRI, Moscow, Russia
10:00-10:40	<b><u>Samuel Wunderli</u><sup>1</sup>, D.V. Averkin<sup>2</sup>, N.G. Oganyan<sup>2</sup></b> <i>Size uncertainty values estimated for measurements of the nanoparticles suspended in a liquid using the light scattering methods</i> <sup>1</sup> atomolmetrion GmbH, Independent Expert, Switzerland <sup>2</sup> VNIIFTRI, Moscow, Russia
10:40-11:00	<b>A.V. Aprelev</b> <i>Issues of development the measures of the number of paramagnetic centers based on DPPH</i> VNIIFTRI, Moscow, Russia
<b>11:00-11:20</b>	<b>Coffee break, 3rd floor, next to the conference room</b>
<b>Moderator: Natalya Muravskaya</b>	
11:20-11:40	<b><u>Andrei L. Runov</u>, Elena V. Kurchakova, Anastasiia P. Stepanova, Sofiia B. Gorniaia, Maxim S. Vonsky</b> <i>Reference materials of DNA composition for metrological support of bioanalytical measurements</i> VNIIM, Saint Petersburg, Russia
11:40-12:00	<b><u>N.Yu. Gryazskikh</u>, A.V. Ivanov, D.N. Zyablikov, A.V. Koldashov</b> <i>Ensuring the uniformity of optical density measurements in laboratory medicine</i> VNIIOFI, Moscow, Russia
12:00-12:20	<b><u>Kulyabina E.V.</u><sup>1,2</sup>, Melkova O.N.<sup>1</sup>, Kulyabina T.V.<sup>1</sup>, Kirilyuk A.A.<sup>1</sup>, Dorman M.V.<sup>1</sup>, V.Yu. Morozov<sup>3</sup></b> <i>Development of measurement procedure countable concentration of cells in a liquid</i> <sup>1</sup> Research Center for Applied Metrology – Rostest, Moscow, Russia <sup>2</sup> Independent Expert, Moscow, Russia
12:20-12:40	<b><u>A.V. Kolpakov</u><sup>1</sup>, D.Yu. Sokolova<sup>1</sup>, A.S. Semenova<sup>1</sup>, N.P. Muravskaya<sup>1,2</sup></b> <i>Preliminary assessment of the possibility of using spatial frequency domain imaging as a method for oral mucosa malignant changes detection</i> <sup>1</sup> BMSTU, Moscow, Russia <sup>2</sup> VNIIFTRI, Moscow, Russia
12:40-13:00	<b>A.G. Chunovkina, <u>N.A. Viktorova</u>, A.A. Tumilovich</b> <i>Classification of external quality assessment schemes for clinical diagnostic laboratories</i> VNIIM, Saint Petersburg, Russia
<b>13:00-14:00</b>	<b>Lunch, 2nd floor, restaurant "Romanovsky"</b>

<b>Moderator: Alena Sobina</b>	
14:00-14:20	<b><u>N.S. Kozlova, E.V. Zabelina</u></b> <i>Influence of near-electrode processes on the reliability of electrophysical measurements of dielectric crystals</i> MISIS, Moscow, Russia
14:20-14:40	<b><u>V.E. Umylin, N.S. Kozlova, E.V. Zabelina, A.V. Korchagin</u></b> <i>Electrophysical properties in polar dielectric crystals <math>\alpha</math>-LiIO<sub>3</sub></i> MISIS, Moscow, Russia
14:40-15:00	<b><u>M.V. Bednova, A.V. Strelnikov, E.V. Shkuleva</u></b> <i>New types of certified reference materials for conductometric measurements</i> VNIIM, Saint Petersburg, Russia
15:00-15:20	<b><u>D.V. Ivashenko, T.G. Makhvich</u></b> <i>Calibration of conductivity analyzers using low-conductivity aqueous solutions based on water–alcohol binary systems</i> BelGIM, Minsk, Belarus
15:20-15:40	<b><u>N.A. Sinelnikova, M.V. Bednova, A.V. Strelnikov</u></b> <i>Issues of metrological support for conductometric measurements in hydrological research</i> VNIIM, Saint Petersburg, Russia
15:40-16:00	<b><u>I.K. Chubchenko, A.V. Larosh, A.V. Smirnov, A.V. Kolobova</u></b> <i>Development of reference materials for sucrose isotopic composition</i> VNIIM, Saint Petersburg, Russia
<b>16:00-16:20</b>	<b>Coffee break, 3rd floor, next to the conference room</b>
<b>Moderator: Andrey Glebov</b>	
16:20-16:40	<b><u>A.V. Ivanov, E.P. Polunina, I.N. Zyablikova, D.N. Zyablikov, and N.Yu. Gryazskikh</u></b> <i>Metrological support of spectral methods in the field of physical and chemical analysis using the State Primary Standard for Units of Mass (Molar) Fraction and Mass (Molar) Concentration of Components in Liquid and Solid Substances and Materials Based on Spectral Methods (GET 196-2023)</i> VNIIOFI, Moscow, Russia
16:40-17:00	<b><u>P. V. Migal</u></b> <i>Development of a reference material for verification of measuring instruments of general-purpose composition</i> UNIIM-VNIIM, Yekaterinburg, Russia
17:00-17:20	<b><u>V.V. Studenok, E.P. Sobina, P.V. Migal, P.M. Aronov</u></b> <i>Application of an improved algorithm for assessing the heterogeneity of reference materials of monolithic materials</i> UNIIM-VNIIM, Yekaterinburg, Russia
17:20-17:40	<b><u>A.I. Krylov, A.Yu. Mikheeva, A.G. Budko</u></b> <i>Features of developing certified reference materials for organic components in matrixes</i> VNIIM, Saint Petersburg, Russia
17:40-18:00	<b><u>Prokunin S.V.<sup>1</sup>, Kalinina E.V.<sup>2</sup>, Dobrovolskiy V.I.<sup>1</sup>, Glebov A.B.<sup>1</sup>, Zelyanin B.V.<sup>1</sup></u></b> <i>Development of methodology for certification of standard sample of water with changed isotopic composition of hydrogen</i> <sup>1</sup> VNIIFTRI, Moscow, Russia <sup>2</sup> Gormedtekhnika, Moscow, Russia
<b>18:00</b>	<b>Free time</b>

04 September 2025 (Thursday)	
From 09:00 to 13:00 – participants of TC 1.12 COOMET at the meeting in another room	
<b>Moderator: Alena Mikheeva</b>	
10:00-10:20	<b>M.A. Kopeychenko</b> <i>Importance and tasks of the metrological services (MS) in the testing laboratory "Industrial Ecological Laboratories" Ltd, St. Petersburg, Russia</i>
10:20-10:40	<b>E.P. Polunina, A.V. Ivanov, N.Y. Gryazskikh, D.N. Zyablikov</b> <i>Reference materials in the field of Raman spectroscopy</i> VNIIOFI, Moscow, Russia
10:40-11:00	<b>N.O. Obukhova, E.P. Sobina</b> <i>Selection of degassing parameters of various matrices in the implementation of the gas adsorption method for measuring the sorption properties of porous materials</i> UNIIM-VNIIM, Yekaterinburg, Russia
<b>11:00-11:20</b>	<b>Coffee break, 3rd floor, next to the conference room</b>
11:20-11:40	<b>A.A. Nechaev, A.V. Kolobova</b> <i>High accuracy gas mixture generator based on coriolis flow controllers</i> VNIIM, Saint Petersburg, Russia
11:40-12:00	<b>E. V. Davydova</b> <i>Application of a metrological approach to the study of free-radical homeostasis in the study of parameters of biotechnological products and environments. Results and their use in everyday life</i> VNIIFTRI, Moscow, Russia
12:00-12:20	<b>Y. V. Kazartsev, I. V. Solovyov, E. N. Korchagina, K. A. Mishina</b> <i>On the development and application of certified reference materials for melting point of organic substances</i> VNIIM, Saint Petersburg, Russia
12:20-12:40	<b>D.N. Zyablikov, A.V. Ivanov, I.N. Zyablikova, N.Y. Gryazskikh</b> <i>Multicomponent reference materials for metrological support of spectral instruments</i> VNIIOFI, Moscow, Russia
12:40-13:00	<b>Q&amp;A</b>
<b>13:00-14:00</b>	<b>Lunch, 2nd floor, restaurant "Romanovsky"</b>
From 14:00 to 18:00 – participants of the RG RM NTKMetr at the meeting in another room	
<b>Moderator: Aleksey Stakheev</b>	
14:00-14:20	<b>N.Yu. Alexandrov, V.M. Fuksov</b> <i>Carrying out measurements of relative humidity sensors using saturated salt solutions</i> VNIIM, Saint Petersburg, Russia
14:20-14:40	<b>K.A. Kulygina</b> <i>Density measurements of liquids: promising directions for the development of the hydrostatic weighing method</i> Nizhny Novgorod CSM, Nizhny Novgorod, Russia
14:40-15:00	<b>S.V. Sherstobitov, M.V. Karpova</b> <i>On the traceability of standards in the field of physical chemistry to electrical standards based on quantum effects</i> VNIIFTRI, Moscow, Russia
15:00-15:20	<b>E.V. Vostroknutova, A.S. Ivleva, A.S. Zasukhin, A.S. Rybnikov, P.V. Migal, E.P. Sobina</b> <i>Development of reference standards of high-purity tin, selenium, antimony, tellurium and reference materials for the composition of tin, selenium, antimony, tellurium solutions</i> UNIIM-VNIIM, Yekaterinburg, Russia
15:20-15:40	<b>E.V. Kalinina<sup>1</sup>, S.V. Prokunin<sup>2</sup>, Y.S. Zdraevskaya<sup>1</sup>, V.I. Dobrovolskiy<sup>2</sup></b> <i>Study of the metrological characteristics of a reference material of glucose solution in a neutral pH medium</i> <sup>1</sup> Gormedtekhnika, Moscow, Russia <sup>2</sup> VNIIFTRI, Moscow, Russia
15:40-16:00	<b>Discussion about challenges. Q&amp;A</b>

<b>16:00-16:20</b>	<b>Coffee break, 3rd floor, next to the conference room</b>
16:30-18:00	<b>Q&amp;A</b>
18:00	<b>Free time</b>

05 September 2025 (Friday)	
10:00-11:00	Recommendations to publish articles and materials on the topics of reports
11:00-12:00	Discussion and adoption of the Conference Decisions
12:00-12:15	Closing of the Conference
12:30- is being clarified	Social and cultural program - to make a tour of the city
	<b>Departure of participants</b>

2-5 September 2025	
Posters	
<b>A.A. Bagdyun<sup>1</sup>, D.I. Belenkiy<sup>2</sup>, T.M. Magomedov<sup>2</sup></b> <i>Metrological support for measurements of objects on the surface of semiconductor wafers</i> <sup>1</sup> BelGIM, Minsk, Belarus <sup>2</sup> VNIIFTRI, Moscow, Russia	
<b>O.S. Golynets<sup>1,2</sup>, A.S. Sergeeva<sup>1</sup>, O.S. Shokhina<sup>1</sup>, A.A. Lavrinenko<sup>2</sup></b> <i>On the development of a certified reference material of solid waste from coal mining and processing</i> <sup>1</sup> UNIIM-VNIIM, Yekaterinburg, Russia <sup>2</sup> MISIS, Moscow, Russia	
<b>A.A. Demyanov, A.A. Neklyudova</b> <i>On the improving State Primary Standard of Units Dynamic and Kinematic Viscosity Liquid GET 17-2018</i> VNIIM, Saint Petersburg, Russia	
<b><u>N.A. Gorshunova</u>, Y.V. Kazartsev, E.N. Korchagina</b> <i>Measurement methodology for Wobbe index to develop reference materials</i> VNIIM, Saint Petersburg, Russia	
<b>M.P. Krasheninina</b> <i>Study of metrological characteristics of a certified reference material of succinic acid composition</i> UNIIM-VNIIM, Yekaterinburg, Russia	
<b>O.E. Pervukhina, M.P. Krasheninina</b> <i>Determination of the amino acid composition of casein</i> UNIIM-VNIIM, Yekaterinburg, Russia	
<b>A.S. Sergeeva, A.V. Kasilyunas, O.S. Golynets</b> <i>On the progress of development of certified reference material for composition of cocoa powder</i> UNIIM-VNIIM, Yekaterinburg, Russia	
Exhibition	
VNIIFTRI	
ALLSCIENCE LLC	
«Industrial Environmental Laboratories» Ltd.	
RCC LABTEST	
«ENERGOLAB» Ltd.	