PROGRAM
XXII Scientific Seminar "Uncertainty in Measurement: Scientific, Normative, Applied and Methodical Aspects" (UM-2025)

10.12.2025, Wednesday

15:00 Workshop opening (UTC/GMT +2 hours).
Seminar Chairs: prof. Zakharov I.P., prof. Skliarov V.V., ass. prof. Milushev G.S.

15:20-18:20 Plenary session
https://meet.google.com/jtx-uoap-zbr?pli=1&authuser=0

15:20	*Pennecchi F., Bich W. A* Bayesian model for measurement bu counting and its application to conformity assessment
15:50	*Bodnar O., Possolo A.* Linking CIPM and RMO comparisons
16:20	*Scliarov V.V.* Wartime challenges and "uncertainties" for metrology in Ukraine
16:50	*Zakharov I., Botsiura O.* Analysis of approaches to effective degrees of freedom estimation in the presence of observed correlation between the results of measurement of input quantities
17:20	*Warsza Z., Puchalski J.* Obtaining Values and uncertainties of equivalent circuit parameters of resistors and capacitors from measurements of their impedance frequency characteristics
17:50	*Więcek T., Warsza Z.* Measurement of static and dynamic Young's modulus of thin fibers

11.12.2025, Thursday

9:00-16:20 Ukrainian session
https://meet.google.com/jtx-uoap-zbr?pli=1&authuser=0

09:00	*Dorozhovets M., Kubiszyn P.* Applying MINIMAX approximation to determine a calibration line of measuring instrument
09:20	*Zabolotnii S.* EstemPMM package for estimating parameters of time series and regression model with asymmetric non-gaussian errors
09:40	*Kolbasin A.* Errors, uncertainties, traceability
10:00	*Chupis D., Kirichenko U, Melnikov O.* Ukrainian liquids kinematic viscosity national standard: measurement uncertainty evaluation
10:20	*Poliarus O., Medvedovska Ya.* Uncertainty of big data in the context of metrological approaches
10:40	*Oliinyk A., Prokopov O., Shloma A.* Regarding the assessment of the systematic influence caused by the Earth's atmosphere on the accuracy of distance measurements performed by an electronic total station on traces that are close to horizontal
11:00	*Korobko A.* A study of the impact of measurement uncertainty of decision confidence
11:20	*Maletska O.* Development of methods for determining target measurement uncertainty in practice
11:40	*Bas O., Serediuk D., Pelikan Y., Manuliak R., Tysiak A., Katamay V.* Reducing the uncertainty of gas volume measurement results of ultrasonic gas meter by means of graduation
12:00	*Hryhorenko I.V., Hryhorenko S.M., Lyska S.V., Khrol D.V.* Uncertainty analysis of temperature measurements in the dairy industry
12:20	*Semenikhin V., Bondar V.* Uncertainty of spatial inhomogeneity in the calibration of climatic chambers
12:40-13:00 Break	
13:00	*Vytvytska L., Barna S.* Analysis of factors influencing uncertainty in the contact angle control by the sessile drop method
13:20	*Reutskyi Ye.A., Pindus N.M.* Evaluation of measurement uncertainty in gas distribution networks
13:40	*Pindus N., Malanchuk S.* Development of a stand for metrological analysis of a non-contact laser tachometer
14:00	*Serediuk O., Rybchyn B., Krynytskyi O.* Metrological aspects of uncertainty assessment of comprehensive power quality indicator
14:20	*Serediuk O., Smahliuk M.* Metrological research of the installation for calibration of gas meter on hydrogen gas mixtures
14:40	*Novoselov O.A. Analysis of the type B standard uncertainty components at working standards calibration*
15:00	*Kondratenko V.O. Interlaboratory comparative tests of hard coal, processing of their results*
15:20	*Kotsiuba A.* Application of blockchain technology in measurement uncertainty evaluation
15:40	*Poliarus O., Medvedovska Ya.* Uncertainty of big data in the context of metrological approaches
16:00	*Kepeshchuk T., Malisevych V., Pastushchyn L., Myslytskyi V.* Calibration of steam sterilizers and autoclaves. Measurement uncertainty evaluation

Epistolary session

Biallovych D.Y., Skliarov V.V., Ashchepkov V.O. Methodological aspect of applying machine learning methods in measurement: issues of reproducibility, traceability and uncertainty

Chernozhuk T.V., Yurchenko O.I., Baklanov O.M. Sonoluminescent spectroscopy tor the determination of the main component in high-concentration solutions using ultrahigh-frequency ultrasound

Degtiarov O. Evaluation of measurement uncertainty in the experimental determination of magnetic field parameters

Degtiarov O., Khoroshailo I., Korbetskyi M. Statistical analysis of colorimetric measurement results and evaluation of their uncertainty

Milushev G. Electrical power – the missing element in electrical power quality assessment

Kliuchnyk I., Bondarenko O., Degtiarov O., Klyuchnyk I. Evaluation of measurement uncertainty in the identification of parameters of piroelectic measuring modules

Koliesnychenko A.O., Pliesnetsov S.Yu. Software implementation of the Kalman filter via objective method

Kobrin I. S., Degtiarov O. V. Application of artificial intelligence in automating quality metrics analysis of websites during testing

Korbetskyi M. Evaluation of measurement uncertainty in a dual-channel colorimeter for analysis of biometrical fluids

Korniev I.K., Khomiak Yu.V. Theoretical modelling and computer simulation of a phase-impulse fluxgate sensor

Kozlov Yu., Unger V. Futures of teaching the question of assessing the uncertainty of measurement during calibration

Kurando O.I., Pliesnetsov Yu.O., Pliesnetsov S.Yu. Control of technological requirements for roll-formed shapes

Kuzmenko Iu., Shevkun S., Shevkun M., Statsenko O., Dobroliubova M. Uncertainty evaluation of the predicted value of electric capacitance of the standard capacitor by weighted least squares method

Moshchenko I. O. Application of uncertainty theory to analyze the risks of making the incorrect decisions in favor of the consumer or producer in risk management

Ozerskyi K., Pustovyi A., Skliarov V. Measurement uncertainty evaluation in a TLD-audit study

Pavese F. Maps can support quantitative evaluation of Earth's surface features and their evolution in time better than Global numerical parameters

Piven O., Chunikhina T. Measurement uncertainty evaluation of the molasses viscosity by viscosimeter

Podrigalo M., Nikorchuk A., Shein V. Model for evaluating the energy characteristics of a vehicle using the indicator of partial acceleration

Pushchyn R., Skliarov V. Regarding the reduction of uncertainty in the realization of the unit of temperature at copper fixed point

Shevchenko I.R., Yurchenko O.I., Chernozhuk T.V., Baklanov O.M. Ultra-high-frequency ultrasound in the determination of lead and cadmium content in dairy products

Shevchenko I.R., Yurchenko O.I., Chernozhuk T.V., Baklanov O.M. Acid extraction of lead and cadmium fats and oils using ultra-high-frequency ultrasound

Shevchenko I.R., Yurchenko O.I., Chernozhuk T.V., Baklanov O.M. Destruction of soluble organic compounds in sodium chloride solutions under the action of dual-frequency ultrasound

Sievierin O.Yu., Pliesnetsov Yu.O., Pliesnetsov S.Yu. Aspects of roll forming technology in the context of non-destructive testing of profiling equipment and tooling

Smolin Yu., Kononikhin O. Uncertainties in chemical analysis of a film temperature sensor

Yurchenko O.I., Chernozhuk T.V., Osypov A.V., Baklanov O.M., Khanin V.A. Atomic absorption determination of analytes in pharmaceutical substances

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