

PROGRAM

XIX Scientific Workshop “Uncertainty in Measurement: Scientific, Normative, Applied and Methodical Aspects” (UM-2022)

07.12.2022, Wednesday

09:00 Workshop opening. Workshop Chairman: prof. Zakharov I.P., prof. P.I. Neyezhmakov

9-30:00-12:30 Morning session.

<https://meet.google.com/jtx-uoap-zbr?pli=1&authuser=0>

09:30	<i>Bich W.</i> The Joint Committee for Guides in Metrology, WG1: trying to establish some certainty in measurement uncertainty
10:00	<i>Witkovský V., Wimmer G.</i> Comparison of alternative measurement uncertainty matrices for parameters of the straight-line calibration function
10:20	<i>Khakimov O.Sh., Boimatov N.T.</i> State of measurement uncertainty evaluation in the Republic of Uzbekistan
10:40	<i>Milushev G.</i> The sources of uncertainty of the measurement result as elements of the measurement process
11:00	<i>Zakharov I.P., Botsiura O.A.</i> Examples of the expanded uncertainty evaluation based on the kurtosis method
11:20	<i>Neyezhmakov P.I., Prokopov A.V.</i> Determination of atmospheric corrections in laser ranging from mean along-trace air temperature: uncertainty analysis
11:40	<i>Serediuk O.Y., Malisevych V.V., Serediuk D.O., Tkachuk V.V., Dzividzinska I.S.</i> Metrological model of the reference installation for the reproduction of moist air flow based on concept of uncertainty
12:00	<i>Piven O.M., Demydov I.M., Melnyk D.M., Minchenko O.A.</i> Processing results of measurement when determining the rapeseed oil density

13:00-16:15 Afternoon session

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13:00	<i>Puchalski J., Warsza Z.L.</i> Estimation of the nonlinear calibration characteristic and its uncertainty for the correlated measurement data
13:30	<i>Warsza Z.L., Puchalski J.</i> Extension of the GUM-Supplement 2 method of estimation uncertainties of indirect multivariable measurements for the processing functions with uncertainties and correlations
14:00	<i>Vytvytska L., Ushtan T., Dzvizdinska I.</i> Uncertainty evaluation of monitoring the human skin condition by the optical method
14:20	<i>Mokiichuk V.M., Samoilenko O.V.</i> Preliminary analysis of the uncertainty evaluation for the thousand seed weight
14:40	<i>Korobko A.I., Shatihina V.Ye., Kotova Yu.M.</i> Automatic calculation of measurement uncertainty in the laboratory
15:00	<i>Dorozhovets M.</i> Evaluation of type B uncertainty of two channel measurements
15:30	<i>Possolo A.</i> NIST decision tree for key comparisons in measurement science and for meta-analysis in medicine

08.12.2021, Thursday

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10:00	<i>Maletska O.E.</i> Problems of application of the results of measurement uncertainty assessment in practice
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10:20	<i>Sinhaivska O.O.</i> The role of measurement uncertainty in the activities of the light industry testing laboratory
10:40	<i>Kniaziev V.V.</i> Features of calibration of shunts for measuring strong impulse currents
11:00	<i>Seredyuk D.O., Pelikan Yu.T., Bas O.A., Manulyak R.T., Shevchuk V.B.</i> Change in the metrological characteristic's household gas meters under the influence of gas-hydrogen mixtures
11:20	<i>Seredyuk D.O., Pelikan Yu.T., Bas O.A., Manulyak R.T., Shevchuk V.B.</i> Uncertainty calculation of the prover for verifying gas meters in the range of volume flow rate up to 6500 m ³ /h
11:40	<i>Kolbasin A.I.</i> Using SVD in measurements
12:00	<i>Shirokova V.A., Barashkova T.V.</i> Metrological approach for bearing fault diagnosis
12:20	<i>Kriukov O.M., Migura O.O.</i> Optical-mechanical sensor conversion function for measuring geometric characteristics of the bore of the barrels of firearms
12:40	<i>Hryhorenko I.V., Hryhorenko S.M., Zhuk O.V.</i> Study of correlation at the uncertainty evaluation of result of non-contact thermal control of biological objects
13:00	<i>Kepeshchuk T.V., Malisevych V.V., Pastushchyn L.B.</i> Determination of calibration intervals of measuring equipment
13:20	<i>Voichyshen O.L., Derbaba V.A., Korsun V.I., Patsera S.T.</i> Influence of measurement uncertainty on indicators of geometric parameters control
13:40	<i>Yaremchuk N.A., Volodarsky E.T., Hoda O.Y.</i> Metrological conformity of objects classification with ordinal and nominal properties observations
14:00	<i>Lira I.</i> Analysis and comparison of the Bayesian methods for type A uncertainty evaluation with prior knowledge
14:30	<i>Bodnar O., Bodnar T.</i> Multivariate random effects model for evaluation of measurement uncertainty

Poster Presentations

Bondarenko A., Degtiarov O., Klyuchnik I., Kliuchnyk I., Kunchenko G. Measurement uncertainty evaluation at determination of technical characteristics of pyroelectric detector

Degtiarov O.V. Measurement uncertainty evaluation the radial component of the magnetic field

Kalinichenko V., Zadorozhna I., Zakharov I., Świsulski D. Procedure for measurement uncertainty evaluation at goniometers calibration

Moshchenko I.O., Nikitenko O.M., Yegorov A.B., Kozlov Yu.V. Pareto chart as a tool for implementing the criteria for uncertainty insignificance

Ohar V.I., Vasylieva O.M., Kikerchen M.A. Calibrator for induction meters of variable magnetic fields

Pavese F. Toward the next edition of the International Vocabulary of Metrology

Semenikhin V., Zakharov I. The influence of uncertainty on the choice on the calibration interval of measuring instruments

Shevkun S.M., Dobroliubova M.V., Statsenko O.V. Modernization of the secondary standard of the electric power unit at industrial frequency

Shtefan N.V., Zakharov I.P., Fomenko V.D. Taking into account measurement uncertainties in conformity assessment

Sydorko I.I., Baitsar R.I. Uncertainty of measurement in the work of clinical diagnostic laboratories

Tarasov V.A., Mitcay L.I., Zelenskaya O.V., Grinev B.V., Gurdzhyan N.R., Vashchenko L.L. Influence of the scintillator surface effective specularity on the light collection coefficient simulation uncertainty

Vasylieva O.M., Pavlenko Y.F. Analysis of the status and traceability of the electromagnetic standards of Ukraine, taking into account the 2019 SI reform

Yurchenko O.I., Chernozhuk T.V., Baklanov A.N., Kravchenko A.A. Underground sodium chloride brines

Yurchenko O.I., Chernozhuk T.V., Baklanov A.N., Kravchenko A.A. Atomic emission determination of cesium in brines and cooking salt using concertation co-precipitation

Zakhvatova T.E., Yegorov A.B., Nekrasova K.V. Component uncertainty evaluation the manufacture calibration standard – cadmium solution in HNO₃

Zhalilo A.A., Katyushina E.V. Method for calibration the attitude of opto-electronic station designated for the trajectory measurements