MINUTES No 1
of the meeting of Scientific Committee
of VI International Competition
"The Best Young Metrologist of COOMET 2015"

Kyiv, Ukraine 17 June 2015

Participants:

Chairperson of Scientific Committee:

Neyezhmakov Pavel, COOMET Vice-President, Chairperson of TC 4 "Information and Training", Acting General Director of NSC "Institute of Metrology", Kharkov, Ukraine;

Members of Scientific Committee:

Velychko Oleh, Member of TC 1.3 "Electricity and Magnetism", Director of Scientific and Production Institute of Metrological Provision of Measurement of Electromagnetic Quantities of SE "Ukrmetrteststandard", Kyiv, Ukraine;

Sabuga Wladimir, Member of SC 1.6.3 "Pressure", Head of Working Group of PTB, Braunschweig, Germany;

Kögler Annette, Chairperson of SC 4.1 "Support in Developing the Basic Metrological Infrastructure of COOMET Member Countries", Manager of PTB-COOMET Project, Braunschweig, Germany;

Kalamiyets Tatsiana, Chairperson of TC 1.3 "Electricity and Magnetism", Deputy Director on Science of BelGIM, Minsk, Belarus;

Kuzmenko Yury, Deputy General Director on Metrology and Scientific Activity of SE "Ukrmetrteststandard", Kyiv, Ukraine;

Fira Roman, Member of TC 1.5 "Length and Angle", Head of Laboratory of SMU, Bratislava, Slovakia;

Secretary of Scientific Committee:

Bunyayeva Yuliya, Secretary of TC 4 "Information and Training", Head of Laboratory of NSC "Institute of Metrology", Kharkov, Ukraine.

Issues:

1. Approving the list of the reports presented for the competition.
2. Approving the evaluation criteria of the reports presented for the competition.
3. Approving the amount of prizes for the winner and the 2nd and the 3rd place winners.
4. Inviting specialists from SE "Ukrmetrteststandard" as expert-consultants on appropriate types of measurements.

Decisions:

1. Approve the list of the reports presented for the competition (Annex 1).
2. Approve the evaluation criteria of the reports presented for the competition (Annex 2).
3. Approve the following amount of prizes:
   for the winner of the competition –500 €;
   for the 2nd place awardee – 300 €;
   for the 3rd place awardee – 200 €;
   for the best report in English – 200 €.
4. Consider it possible to invite specialists from SE "Ukrmetrteststandard" as expert-consultants without any vote in order to impartially estimate the innovation of the reports presented.

Chairperson of Scientific Committee
COOMET Vice-President P.Neyezhmakov

Secretary of Scientific Committee
Secretary of TC 4 "Information and Training" Yu.Bunyayeva

Annex 1

No	Name of participant	Country	Report
1	Dmitri Scums	Belarus	Automated facility for calibration of luxmeters / photometers UPF-2
2	Victoria Kazieva	Georgia	Development and implementation of QMS. The role of international recognition in metrology field for raising awareness about its benefits for governmental institutions, industry, laboratories and wider public
3	Nassyr Mamyrbek	Kazakhstan	Metrological support of measuring the volumetric activity of radon
4	Irina Marinushkina	Kazakhstan	Robust method for processing of interlaboratory comparisons results using a preference aggregation
5	Tamara Savina	Kyrgyzstan	Calibration of resistance thermometers. Methods of measurements uncertainty evaluation with taking into account calculation of individual coefficients for interpolation functions
6	Alexei Pianîh	Moldova	The quality criteria for the traceability unit of measurement [Pa]
7	Stanislav Karpenko	Ukraine	Remote calibration of precision working standards of electric power at industrial frequencies
8	Aleksey Nikitenko	Ukraine	Researches exactness characteristics protocol for accurate time- signal protocol PTP (IEEE1588 version 2) channels of public communication
9	Aleksandr Bas	Ukraine	Gas piston prover with a pressure up to 1.6 MPa
10	Stanislav Pivnenko	Ukraine	Electronic Calibration Certificate
11	Yuliya Skovorodkina	Ukraine	Analysis of metrological assurance for measurement of involute gear parameters in Ukraine
12	Aleksey Liubzhyn	Ukraine	Investigation of the influence of near-field effects on GNSS-based distance measurements
13	Azizjon Choriev	Uzbekistan	The need for metrological support of non-destructive testing tools, in particular reference standards for ultrasonic testing method

Evaluation Criteria

Innovation	1	**Is the paper's subject topical?** Weight coefficient 0.1 Marks from 1 to 5	The paper's subject is "hot" if it concerns a scientific direction actively developed by the world community (or directed to solve a problem acknowledged by the scientific community)
	2	**Scientific novelty and/or social and economic effect** Weight coefficient 0.3 Marks from 1 to 5	The paper is characterized by the scientific novelty if it presents new (unknown before) scientific results and/or the paper has a social and economic effect if it contains results which are practically useful for the country
	3	**Originality** Weight coefficient 01 Marks from 1 to 5	The paper is original if methods that were applied in the paper have not been used before for solving similar problems. In case of considering work, presented at CYM before, while evaluation the hugeness of progress of work in accordance with previous results presented on previous CYM
	4	**Potential for international cooperation** Weight coefficient 0.1 Marks from 1 to 5	The paper is important for international cooperation if which it can be used for cooperation projects within the COOMET region or on global scale
Quality of the reports' presenting	5	**Structure and scientific validity** Weight coefficient 0.1 Marks from 1 to 5	The content of the presentation is systematically structured and scientifically correct. The logical chain (approach, solution, correctness of results, validation of conclusions) clearly proves the correctness of the obtained results
	6	**Quality of the paper's adjusting** Weight coefficient 0.1 Marks from 1 to 5	The well-adjusted paper should be set out with clear and strict language with observance of general language forms and the commons standards of writing a papers scientific*. Font of presentation should be convenient for reading to everybody including listeners in the back rows. Visual presentation and oral explaining should be complement to each other in optimal way and provide best perception of report content by audience. The paper should contain necessary illustrative material. *including item of Annex 5 Recommendation COOMET R/GM/18
	7	**Quality of presenting the paper** Weight coefficient 0.2 Marks from 1 to 5	While evaluating the quality of presenting work the following criteria are taken into account: • reporter realizes communication with the listeners • reporter observes the time limit • reporter speaks correctly, clear and comprehensible • reporter answers to the questions correctly and convincing • reporter uses an additional equipment for his presentation (flip chart, white board, etc.)

According to these criteria:
maximum sum mark – 5
minimum sum mark – 1
(the rounding of the intermediate values to 0.01 mark)
The final mark is determined according to the formula

$$C = \sum_{i=1}^{7} a_i \bullet b_i,$$

where a_i is the weight of criterion i, b_i is the mark of criterion i.