

National Society of Measurements (NSM)

Preamble

All real facts can be and must be measured in view to be well known and optimally used for mankind's benefit.

Metrology is the science of measurements, than it must be present every where. However, metrology is represented in all countries as a stiffly structured and closed society with practically inexistent dialogue with the rest of society. All scientists, even top level physicists, mix up metrology with meteorology.

Almost all scientific papers neglect the basic metrological aspects of the reported measurements.

The main reason of this situation consists in the fact that metrology is a governmental structure with no organizational and technical control from an outer organism. Metrology needs competition to be efficient. Without competition metrology is only a good opportunity for impostors and a big hole in the public budget. It is time to consider that private companies have their own testing and metrological procedures specific to their products, so they have the real possibility to create in common a competition metrology against the governmental one. This will be in the benefit of all human society.

There are severe effects of the actual situation dramatically affecting the technological progress and the quality of our life. For instance:

1. the staff working in metrology is badly trained and skilled with measurement procedures they have to perform. The situation tends to be worse and worse by promotion on obscure reasons;
2. if an outsider visits labs in a metrology institute he can find that many staff are missing with no real reasons, practically no one is involved in scheduled activity, library does not work properly;
3. uncertainty associated to each measurement remains as unknown for most of testing and metrology labs. A strange fact happens: people without basic experience talk about metrology in general and uncertainty in particular proposing procedures without real basis.
4. structure of standards even for basic quantities does not work properly in industry and other field of social activity;
5. many quantities important for actual technology have no metrological basis. Temperature – one of the most important quantities practically in all field of activity has many obscure points in its measurement and calibration. Viscosity – one of the most important derived quantities for a wide category of products has no metrology support yet, even there are national metrology labs spending a lot of money for obscure and selfish interests, but with no real result for many years. Many companies have big net incomes from so called standard liquids for viscosity (ironically as certified) which have no fundamental standard yet;

Most of the quantities defining the quality of environment are practically unknown for majority of population. In conditions of continuous degradation of environment, these quantities must be very well defined and published according to the elementary human rights. Scientists very well know the following principle: any uncontrolled system evolves worse and worse.

If we study more carefully all disasters around us, we can find the wrong metrology of real facts as the basic cause of them.

6. national (governmental) accreditation organisms work on the same rules of metrology. For instance, they use so called reference materials certified on obscure procedures;
7. There are national metrology associations acting as supplementary shields for governmental metrology being organized and led by the heads of main departments of governmental metrology and accreditation (governmental) organisms.

Basic aims of NSM

NATIONAL SOCIETY OF MEASUREMENTS (NSM) has to be the main competitor of governmental organisms activating in metrology, i.e.:

1. NSM actively involves only experienced experts in any type of measurement which are not involved in any governmental organization;
2. NSM main aim is to watch continuously and actively national and international metrology, all other governmental and non-governmental organisms interfering with metrology for beneficial contribution of metrology in industry, trading, health, transport, justice, environment, peace keeping, human rights, all aspects important for quality of life, etc.;
3. NSM will create its own metrological laboratories in correct and competent conditions against the governmental laboratories, in view to compare anytime results of similar measurements on double blind procedures.
4. NSM will promote all new metrological procedures, techniques, devices, instruments, etc. continuously improving metrological procedures in force;
5. NSM will elaborate and/or promote legislation for a good metrological control in all social activities on which depends the quality of life.

The founder members of NSM will elaborate in every detail its organizing and operating statute in view to be registered as an official association according to national laws in force.

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www.gdfatabanks.ro
dragan_gdf@yahoo.com