

Technical Committee on Mechanical Measurement in Division of Measurement

Goal:

The TC contributes to the development of industry as well as to the establishment of a safe and reliable society through research and development of technology concerning mechanical measurement.

Background:

The TC started its activity with the application technology of scales (weighing), while our present activities cover a wide technical range including measurement of mass, force, torque, pressure and so on.

Strategy:

- Wide application of measurement technology for mechanical quantities to human society and industry, such as determination of dynamic quantity and high-speed weighing.
- Improvement of measurement standards of mass, force, torque, pressure and so on.

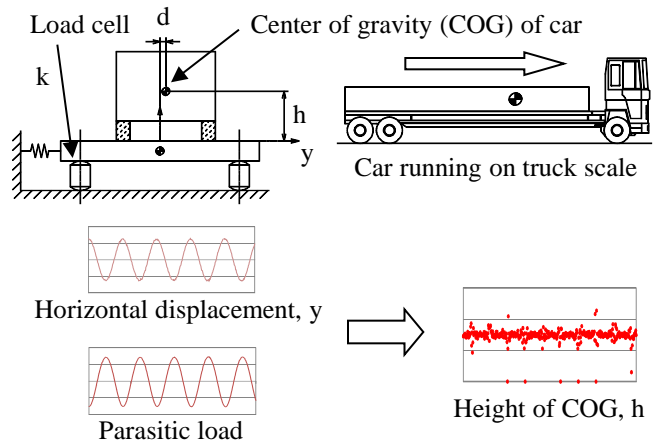
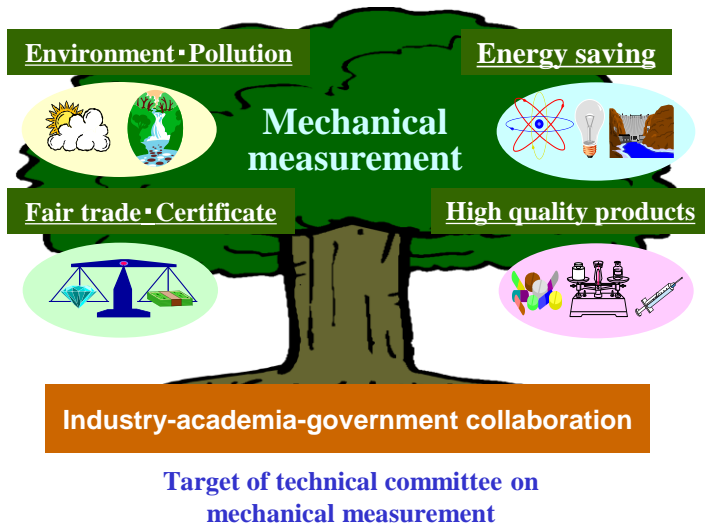
Activities:

The members have participated actively in various international conferences such as SICE2017 (Kanazawa), APMF2017 (Thailand) and IMEKO2017 (Finland) to spread research results more widely.

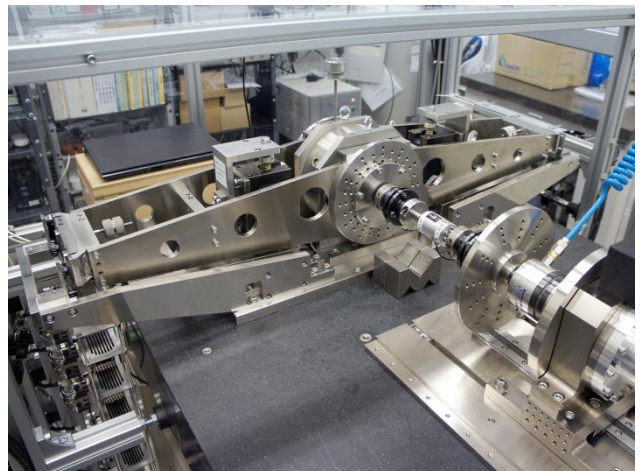
The members also continue to communicate through discussion in workshops or meetings and visits to laboratories and factories.

Members:

- Chair : Toshitaka Umemoto
(Osaka Prefecture Univ. College of Tech.)
Vice-Chair: Koji Ogushi
(National Metrology Inst. of Japan, AIST)
Secretary: Momoko Kojima
(National Metrology Inst. of Japan, AIST)
39 members and 6 advisors play an active part in the TC.



Dynamic detection of load position of running freight car



Developed 10 N·m dead weight torque standard machine