**Dear editors,**

We would like very much to submit the manuscript tilted “A new method for calibration of strain cylinders using laser interferometry” (belong to TC3) to the ACTA IMEKO, in which a new method of calibrating a strain cylinders in a force standard machine using multi-channel laser interferometry is proposed and experimentally investigated, thus to provide a new type of transducer that can provide both force and deformation indications.

The manuscript has been updated and extended compared to original version presented in the IMEKO Conference. The modifications and improvements are listed below:

1. The title has been modified to distinguish the extended paper from the original Symposium paper;

2. The content has been extended and upgraded taking into account of discussions at the Symposium (Sec. 4.4.1, Sec. 4.4.2);

3. The original conference paper has been cited in the reference list (Ref. 4);

4. Four references have been added in the paper (Ref. 12-Ref. 15).

All the modifications of the original paper have been marked in RED COLOR to simplify the work of editors and reviewers

I am going to follow your instructions and do what is needed to satisfy your requirements. I shall be very grateful to you for what you can do to get my manuscript reviewed and publish in ACTA IMEKO, thank you!

Best wishes!

Junning Cui