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Participation of the Central Office of Measures in the European research project EMPIR in the field of force

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[EMPIR project force metrological traceability chain](#)

Abstract

The article presents the assumptions and detailed objectives of the project as well as the current state of the art and the possibilities of achieving progress in ensuring traceability in European and global industry in the field of static, continuous and dynamic force. The scope of GUM participation and the potential impact of the design assumptions on the environment, metrology and users were also discussed. GUM standards with the lowest measurement uncertainty, on which static and continuous force tests will be performed, are presented.

Bibliography

- [1] Comprehensive traceability for force metrology services.
18SIB08 ComTraForce
- [2] K. Schwab: The Fourth Industrial Revolution, 2016.
- [3] R. Mącik: Internet rzeczy - postrzegane przez młodych konsumentów korzyści i zagrożenia - wyniki badań wstępnych. *Przedsiębiorczość i Zarządzanie*, 2016, t. 17, z. 4, cz. 3, s. 11-27.
- [4] P. Czapliński: Przemysł offshore w Polsce – próba definicji, stan i możliwości rozwoju. *Prace Komisji Geografii Przemysłu Polskiego Towarzystwa Geograficznego*, 2015, 29(4), 103-111.
- [5] L. Wilczyński: Technologie offshore i portowo-logistyczne. *Materiały konferencyjne*, Gdańsk, 2015 r.
- [6] M. Kożuchowski: Dokumentacja techniczna twardościomierzy Rockwella w GUM, 2019. MERICORE

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