

## Manipulator Development for Telediagnosics

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**Abstract :** This paper presents development of the light-weight manipulator with series elastic actuation for medical telediagnosics (USG examination). General structure of realized impedance control algorithm was shown. It was described how to perform force measurements based mainly on elasticity of manipulator links.

**Keywords :** telediagnosics, elastic manipulator, impedance control, force measurement

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